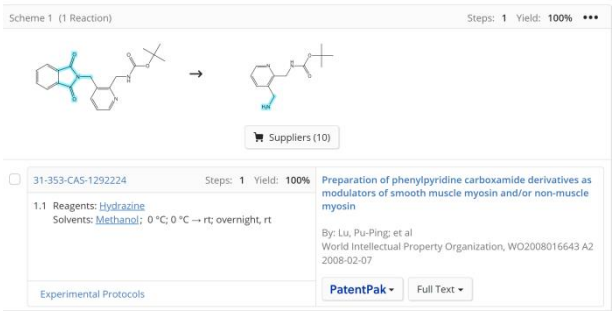
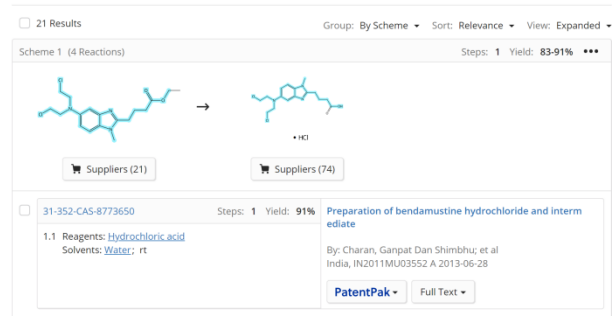
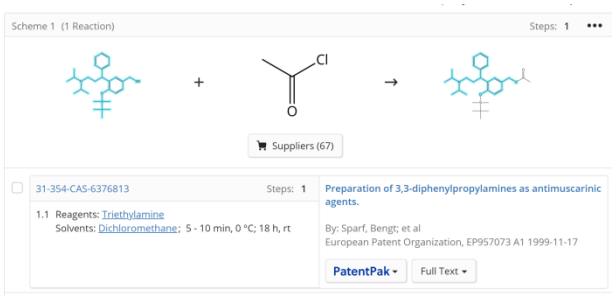
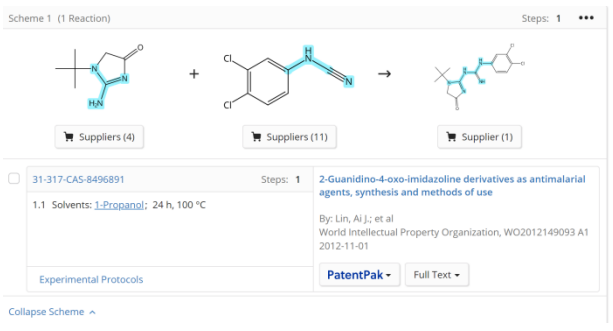
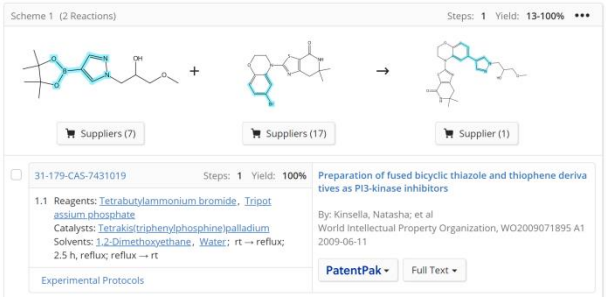
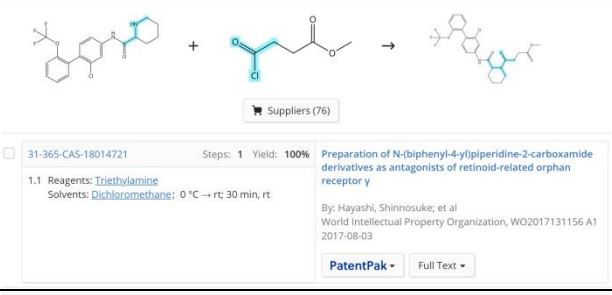
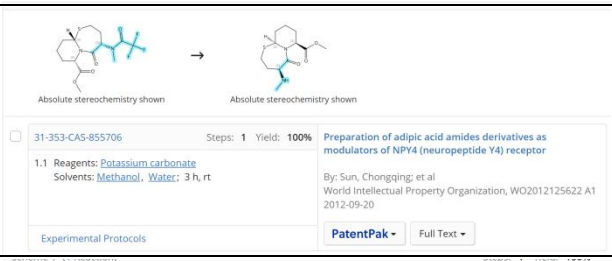
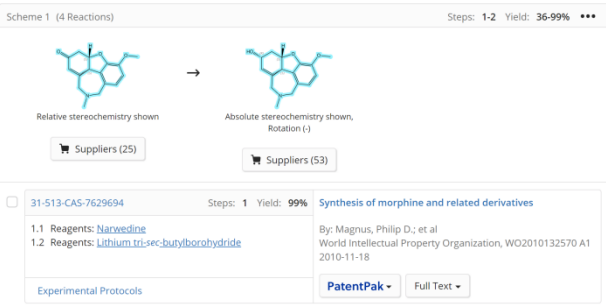
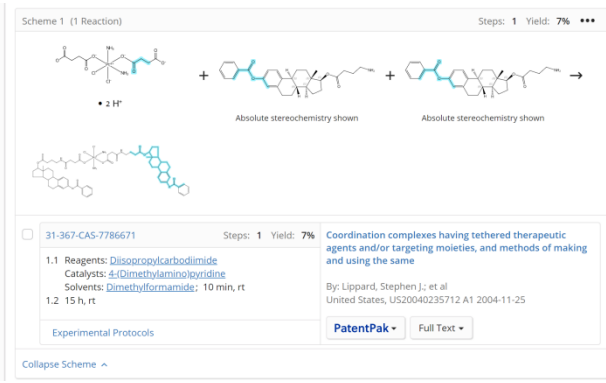
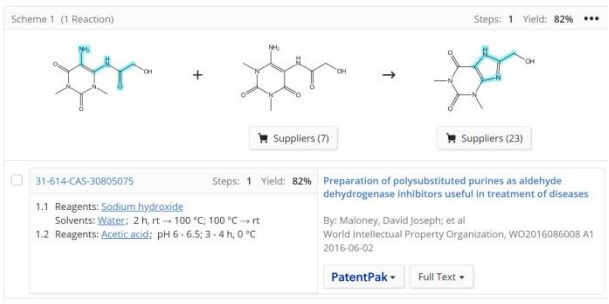
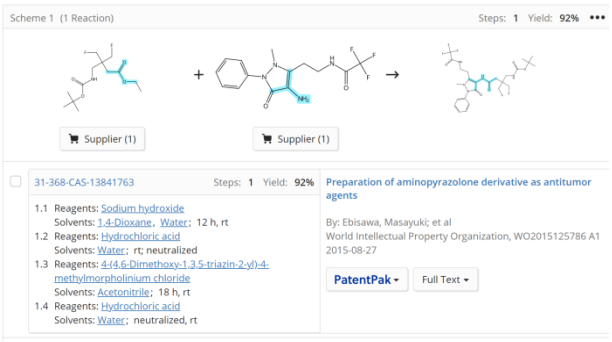
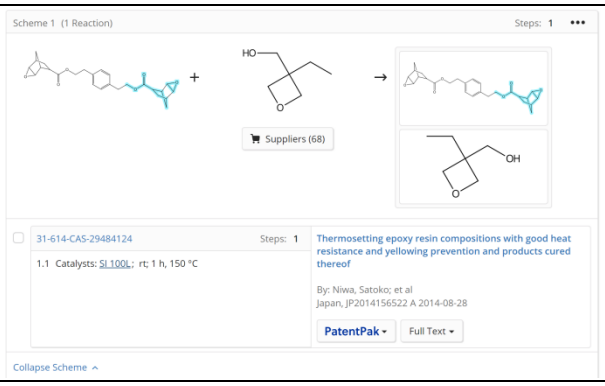
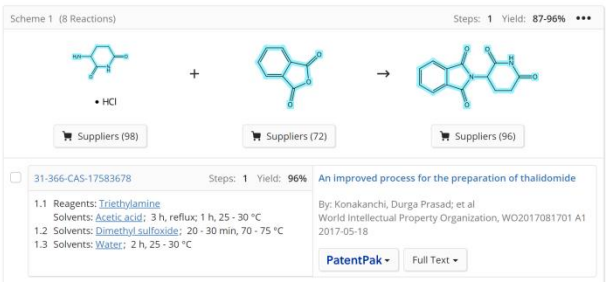
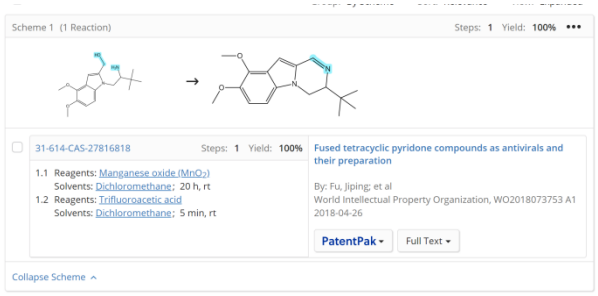
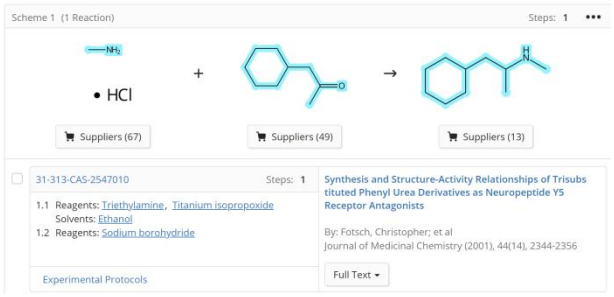
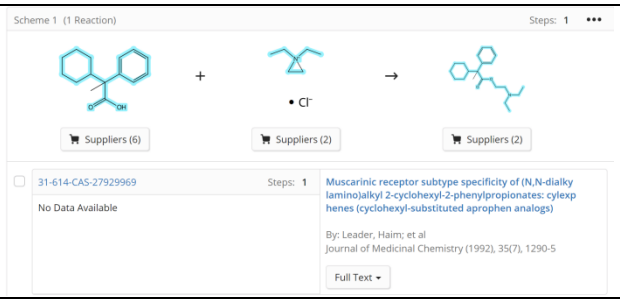
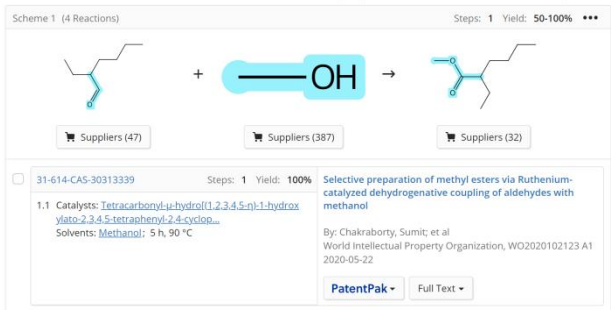
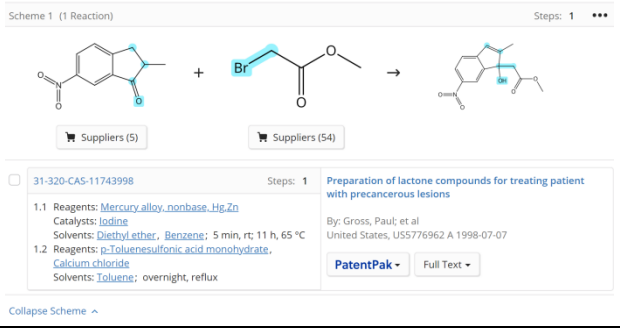
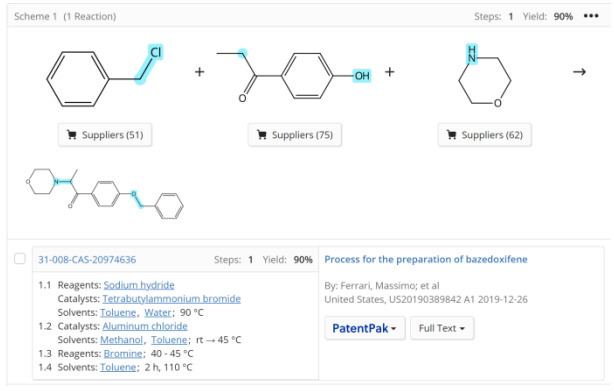
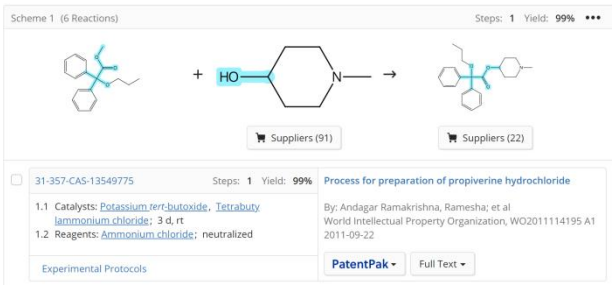
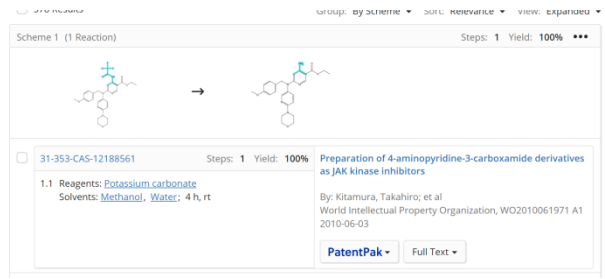
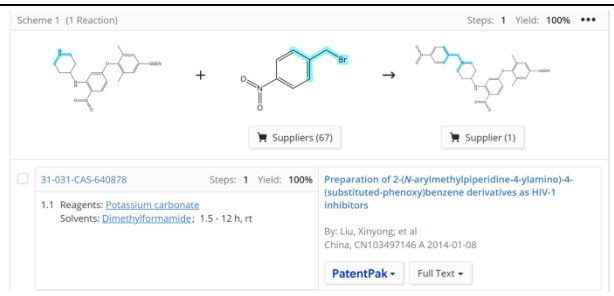
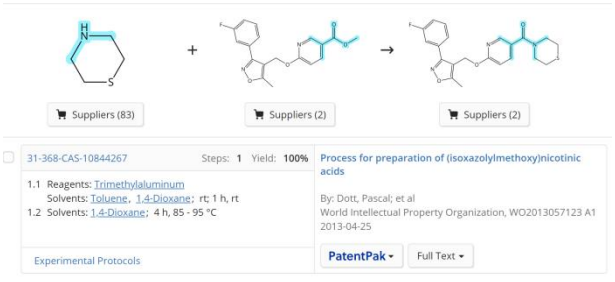
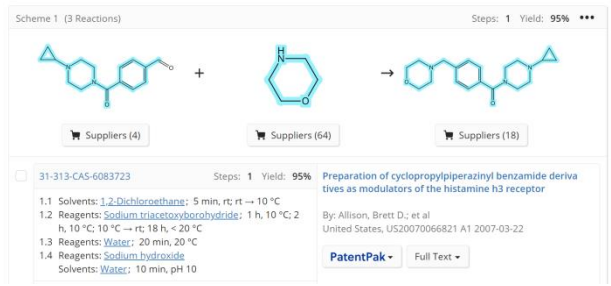
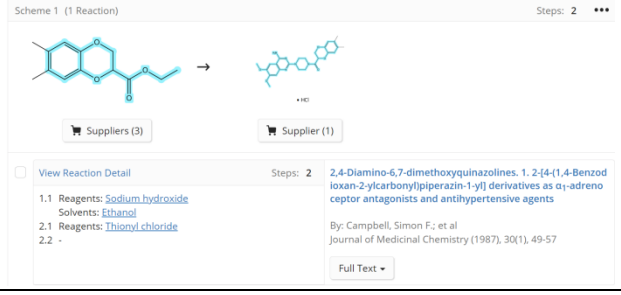
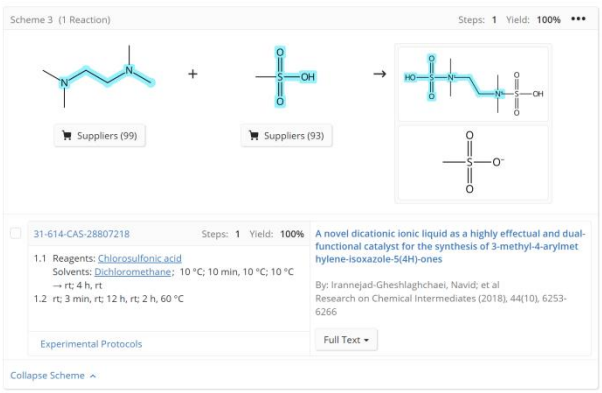
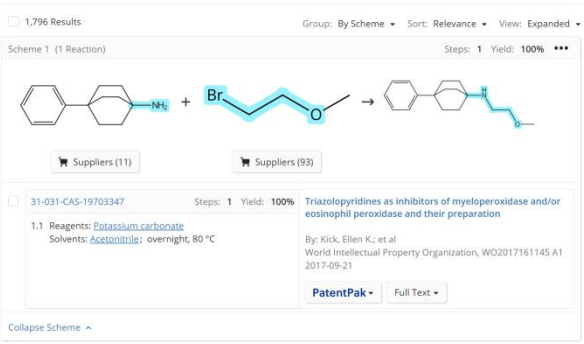
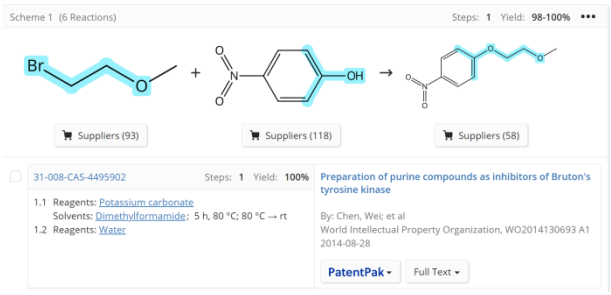
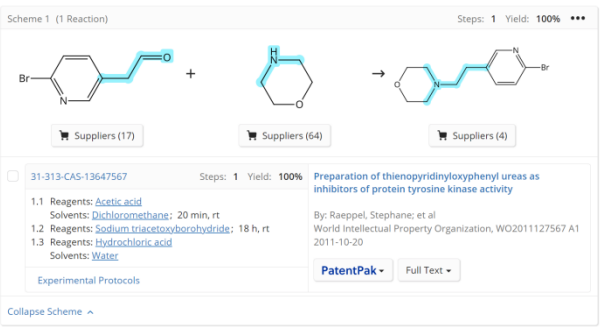
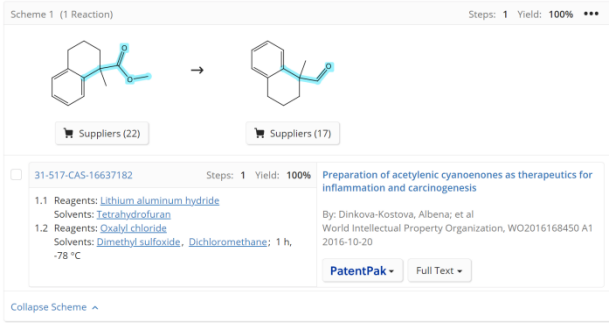
Route 1 Step 1	Null	
Step 1		https://scifinder-n.cas.org/search/reaction/63f331b3692896544bfa16f2/1
Step 2	Null	
Route 2 Step 1	Null	
Step 3		https://scifinder-n.cas.org/search/reaction/63f35e2a692896544bfdb0b4/1
Route 3 Step 1		https://scifinder-n.cas.org/search/reaction/63f35eaa692896544bfdba94/1
Route 4 Step 1		https://scifinder-n.cas.org/search/reaction/63f35f17692896544bfdc1e8/1

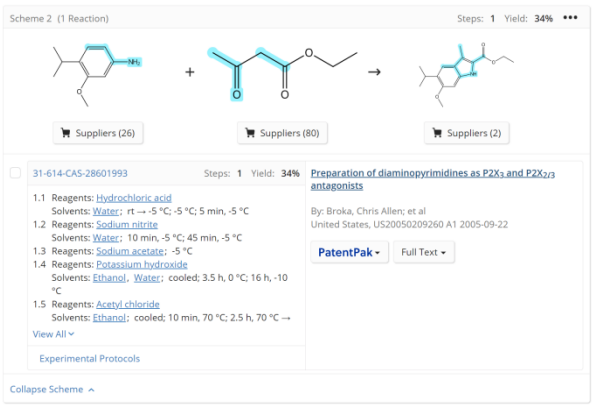
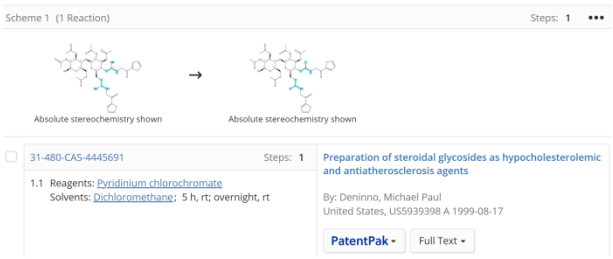
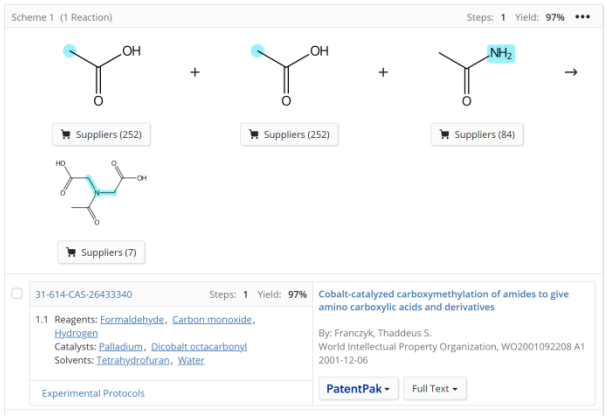
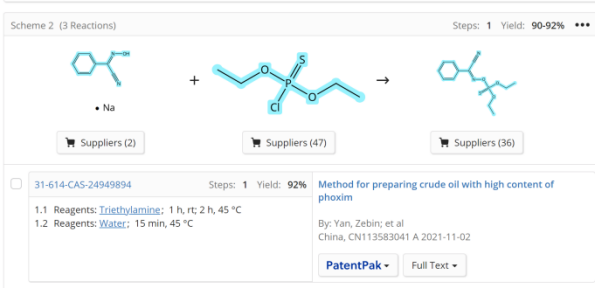
Route 5 Step 1		https://scifinder-n.cas.org/search/reaction/63f35fa9692896544bfdc9e4/1
Step 2		https://scifinder-n.cas.org/search/reaction/63f3600e692896544bfdcf6c/1
Step 3		https://scifinder-n.cas.org/search/reaction/63f3607369289654bfdd49b/1
Step 4		https://scifinder-n.cas.org/search/reaction/63f360bb692896544bfdd815/1
Step 5	Null	
Route 6 Step 1		https://scifinder-n.cas.org/search/reaction/63f3620169289654bfdeb3c/1
Route 7 Step 1		https://scifinder-n.cas.org/search/reaction/63f3624969289654bfdef43/1

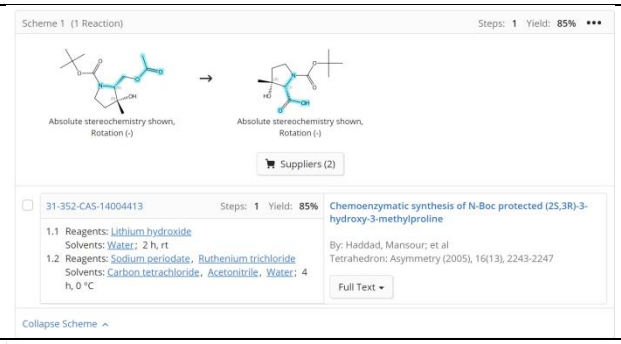
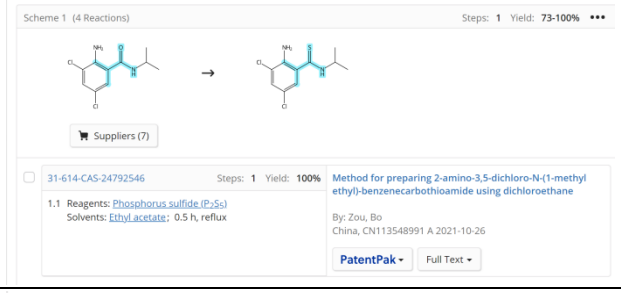
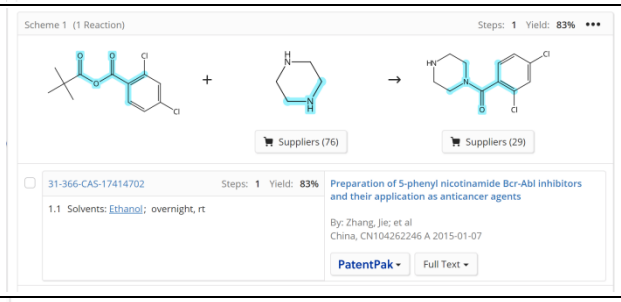
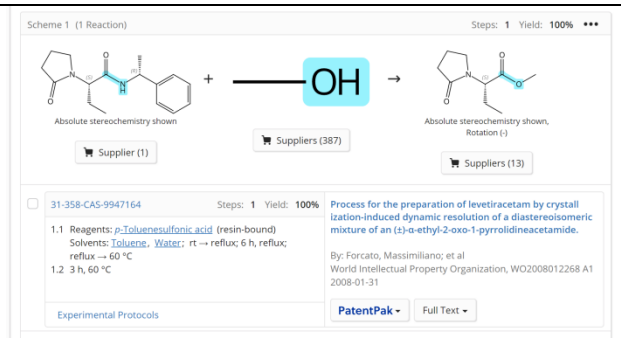
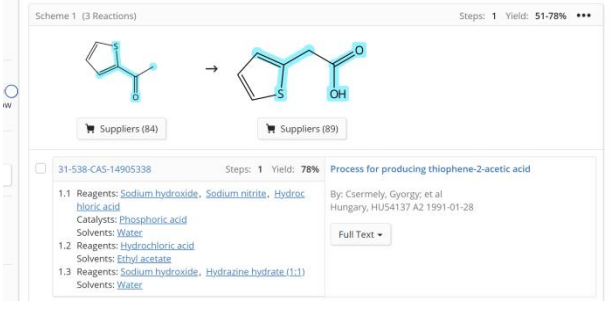
Route 8 Step 1		https://scifinder-n.cas.org/search/reaction/63f3632569289654bfdfc71/1
Step 2		https://scifinder-n.cas.org/search/reaction/63f363e4692896544bfe0871/1
Step 3		https://scifinder-n.cas.org/search/reaction/63f364c6692896544bfe1457/1
Route 9 Step 1		https://scifinder-n.cas.org/search/reaction/63f3656769289654bfe1c68/1
Route 10 Step 1		https://scifinder-n.cas.org/search/reaction/63f365a4692896544bfe1fbf/1
Step 2	Null	

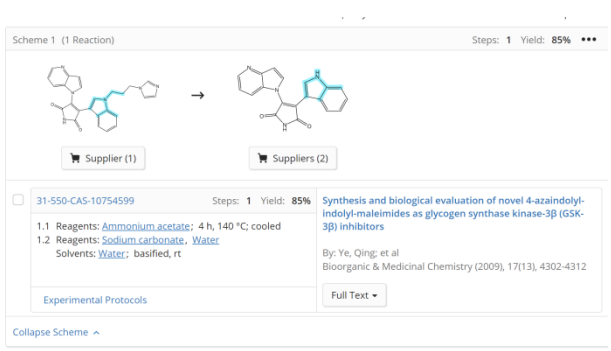
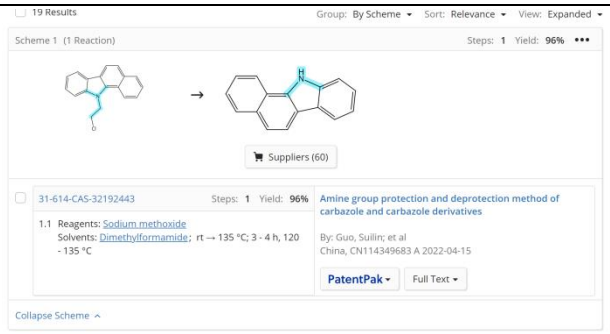
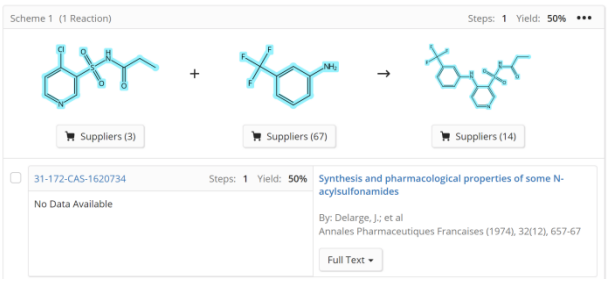
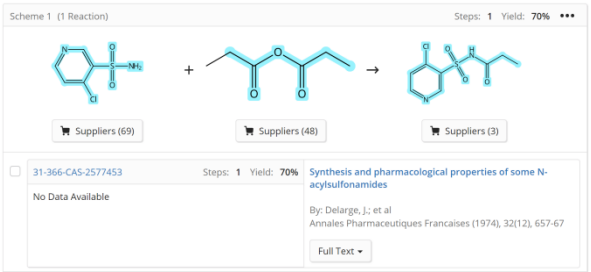
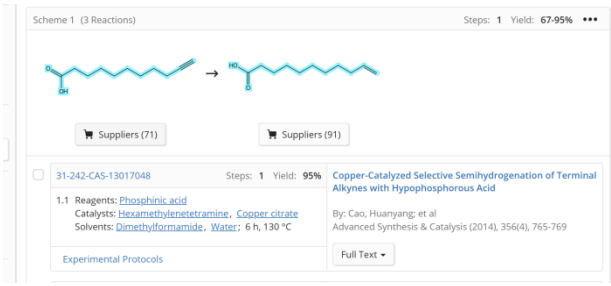
Route 11 Step 1		https://scifinder-n.cas.org/search/reaction/63f3663569289654bfe27fc/1
Route 12 Step 1		https://scifinder-n.cas.org/search/reaction/63f36c0169289654bfe8555/1
Route 13 Step 1		https://scifinder-n.cas.org/search/reaction/63f36c7e692896544bfe8e12/1
Step 2		https://scifinder-n.cas.org/search/reaction/63f36d1069289654bfe98f1/1
Route 14 Step 1	Null	
Step 2	Null	
Route 15 Step 1		https://scifinder-n.cas.org/search/reaction/63f36f75692896544bfec35e/1

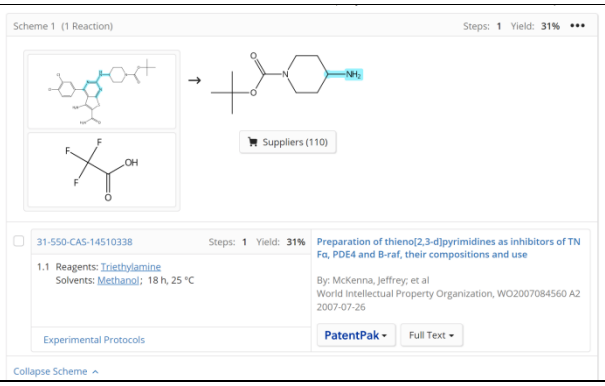
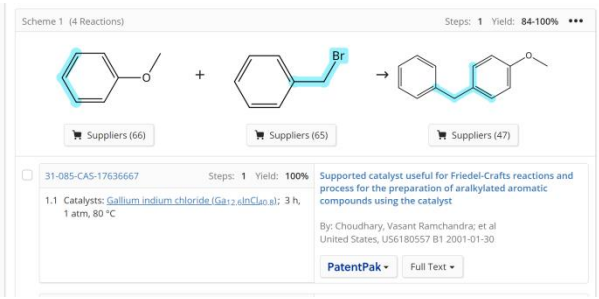
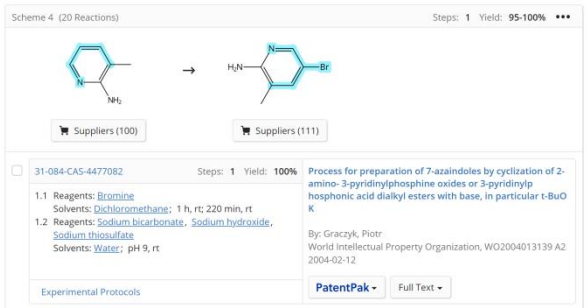
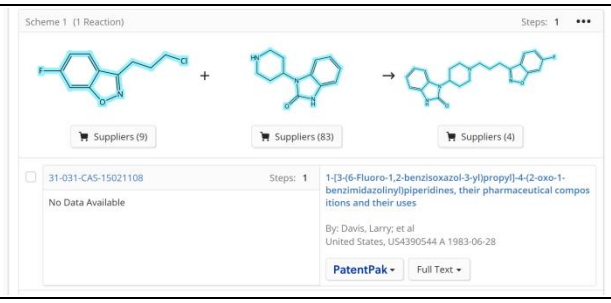
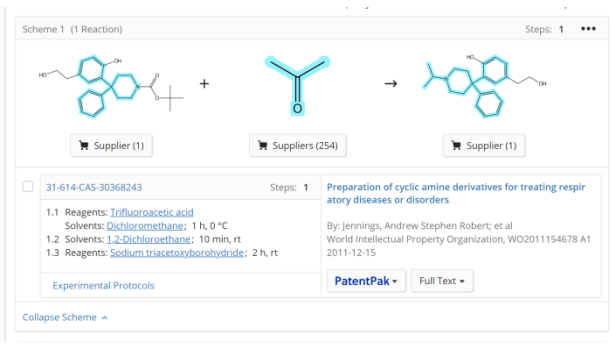
Route 16 Step 1		https://scifinder-n.cas.org/search/reaction/63f36fba692896544bfec6d2/1
Route 17 Step 1		https://scifinder-n.cas.org/search/reaction/63f36ff6692896544bfeca65/1
Step 2		https://scifinder-n.cas.org/search/reaction/63f3706169289654bfed0b1/1
Step 3		https://scifinder-n.cas.org/search/reaction/63f3709869289654bfed467/1
Route 18 Step 1		https://scifinder-n.cas.org/search/reaction/640597eb3136c60ac9283a8b/1
Route 19 Step 1		https://scifinder-n.cas.org/search/reaction/640598213136c60ac9283fe2/1
Route 20 Step 1	Null	

Step 2		https://scifinder-n.cas.org/search/reaction/640598b83136c60ac9284d70/1
Route 21 Step 1		https://scifinder-n.cas.org/search/reaction/64059d4d0e98827b63fa2cf1/1
Step 2		https://scifinder-n.cas.org/search/reaction/64059fea0e98827b63fa6fe0/1
Route 22 Step 1		https://scifinder-n.cas.org/search/reaction/6405a59f0e98827b63fb1461/1
Step 2		https://scifinder-n.cas.org/search/reaction/6405b00a0e98827b63fc33b1/1

Step 3		https://scifinder-n.cas.org/search/reaction/6405b1140e98827b63fc4e86/1
Route 23 Step 1	Null	
Step 2		https://scifinder-n.cas.org/search/reaction/6405b1fd0e98827b63fc643c/1
Step 3		https://scifinder-n.cas.org/search/reaction/6405b2bc0e98827b63fc7732/1
Route 24 Step 1		https://scifinder-n.cas.org/search/reaction/6405c29f0e98827b63fdc97d/1

Route 25 Step 1		https://scifinder-n.cas.org/search/reaction/6405cac60e98827b63fe6b4a/1
Step 2		https://scifinder-n.cas.org/search/reaction/6405cc2e0e98827b63fe8a5a/1
Step 3		https://scifinder-n.cas.org/search/reaction/6405cca20e98827b63fe939b/1
Step 4		https://scifinder-n.cas.org/search/reaction/6405cccf0e98827b63fe97a3/1
Route 26 Step 1		https://scifinder-n.cas.org/search/reaction/6405ced80e98827b63fec47e/1

Route 27 Step 1		https://scifinder-n.cas.org/search/reaction/6405cf3e0e98827b63fecf5c/1
Step 2		https://scifinder-n.cas.org/search/reaction/6405cf740e98827b63fed3b6/1
Route 28 Step 1		https://scifinder-n.cas.org/search/reaction/6405d0300e98827b63fee3cb/1
Step 2		https://scifinder-n.cas.org/search/reaction/6405d0620e98827b63fee897/1
Route 29 Step 1		https://scifinder-n.cas.org/search/reaction/6405d0bd0e98827b63fef04f/1

Route 30 Step 1		https://scifinder-n.cas.org/search/reaction/6405d3010e98827b63ff1c93/1
Step 2		https://scifinder-n.cas.org/search/reaction/6405d3510e98827b63ff2268/1
Step 3		https://scifinder-n.cas.org/search/reaction/6405d5860e98827b63ff4a38/1
Route 31 Step 1		https://scifinder-n.cas.org/search/reaction/6405d8940e98827b63ff80e4/1
Route 32 Step 1		https://scifinder-n.cas.org/search/reaction/6405d8d40e98827b63ff8596/1
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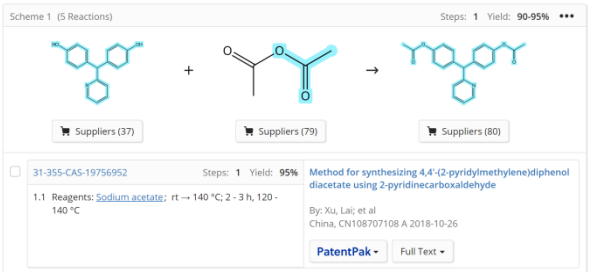
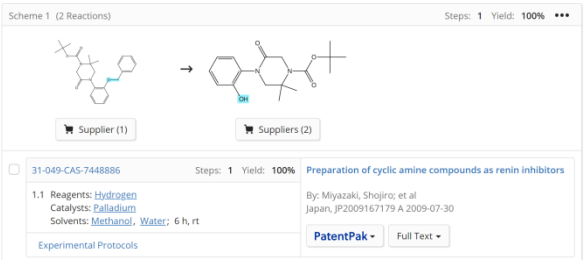
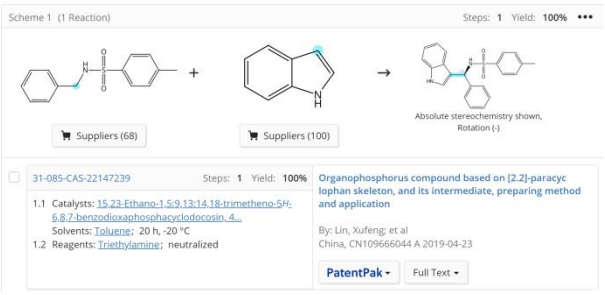
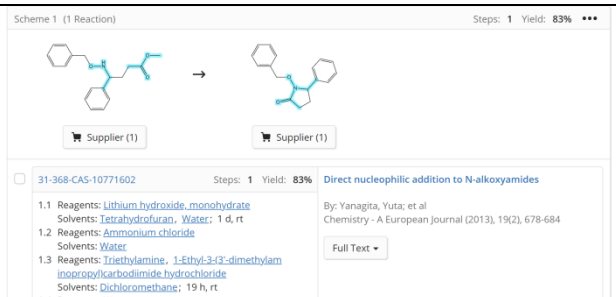
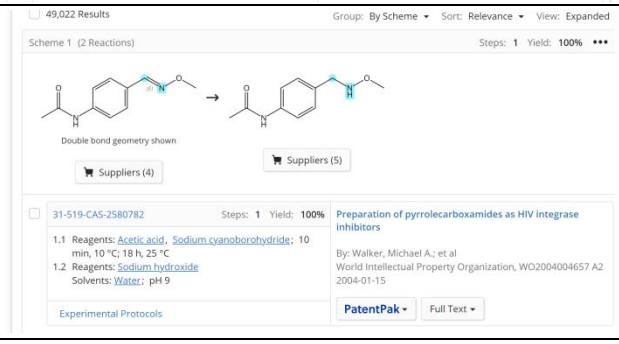
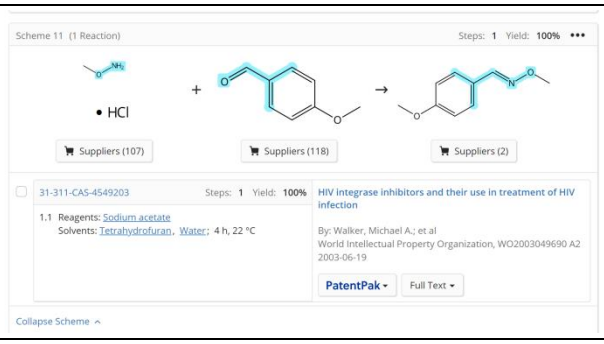
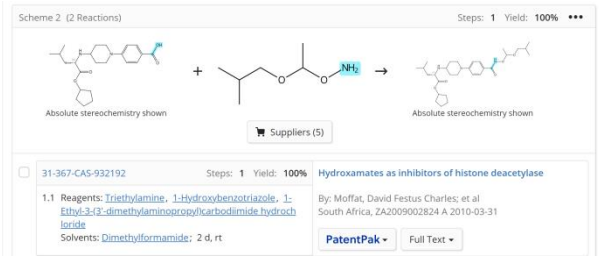
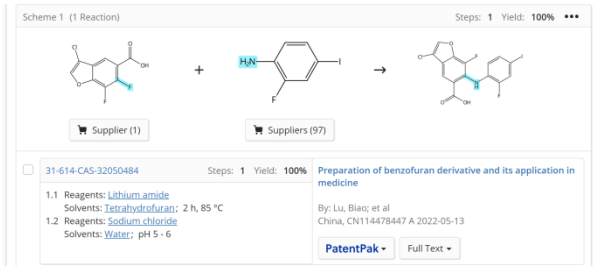
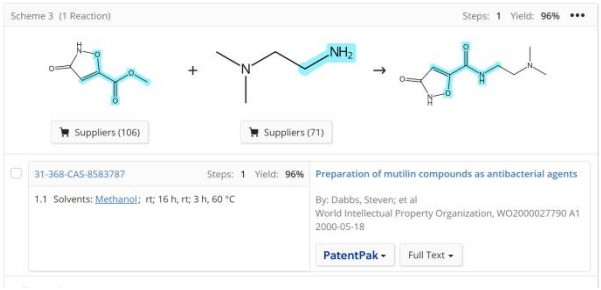
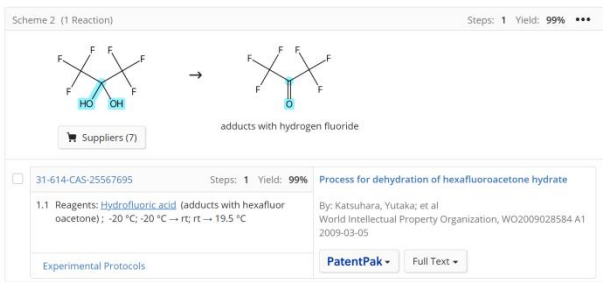
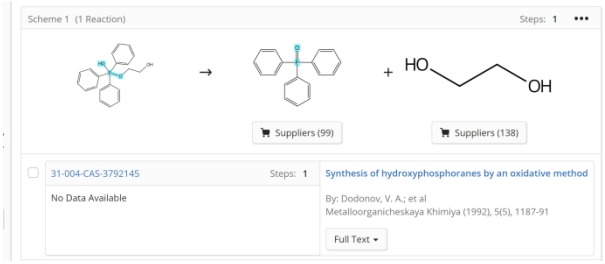
Route 34	Null	

Route 35 Step 1		https://scifinder-n.cas.org/search/reaction/64069b4a0e98827b6309c531/1
Step 2		https://scifinder-n.cas.org/search/reaction/64069bf30e98827b6309d3ca/1
Step 3		https://scifinder-n.cas.org/search/reaction/64069ccf0e98827b6309e59b/1
Route 36 Step 1		https://scifinder-n.cas.org/search/reaction/64069d110e98827b6309ea5b/1
Step 2		https://scifinder-n.cas.org/search/reaction/64069d850e98827b6309f339/1

Step 3		https://scifinder-n.cas.org/search/reaction/64069e000e98827b6309fcd2/1
Step 4		https://scifinder-n.cas.org/search/reaction/64069e3d0e98827b630a00a2/1
Step 5		https://scifinder-n.cas.org/search/reaction/64069e9a0e98827b630a081e/1
Route 37 Step 1		https://scifinder-n.cas.org/search/reaction/64069f100e98827b630a1063/1
Route 38 Step 1		https://scifinder-n.cas.org/search/reaction/6406a1550e98827b630a40d8/1
Step 2	Null	

Route 39 Step 1		https://scifinder-n.cas.org/search/reaction/6406a1ef0e98827b630a4d4c/1
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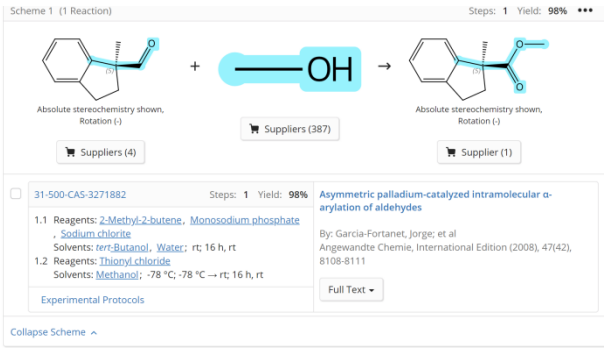
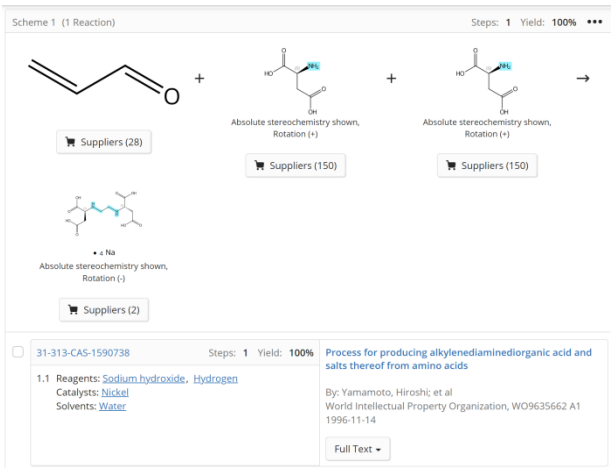
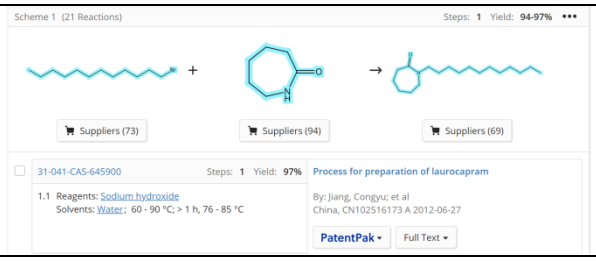
Route 40 Step 1		https://scifinder-n.cas.org/search/reaction/6406a2b10e98827b630a5c21/1
Route 41 Step 1		https://scifinder-n.cas.org/search/reaction/6406a4270e98827b630a7abb/1
Route 42 Step 1		https://scifinder-n.cas.org/search/reaction/6406a5660e98827b630a9217/1
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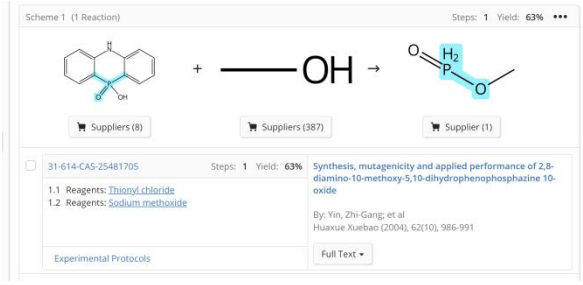
Step 2		https://scifinder-n.cas.org/search/reaction/6406a6000e98827b630a9e3a/1

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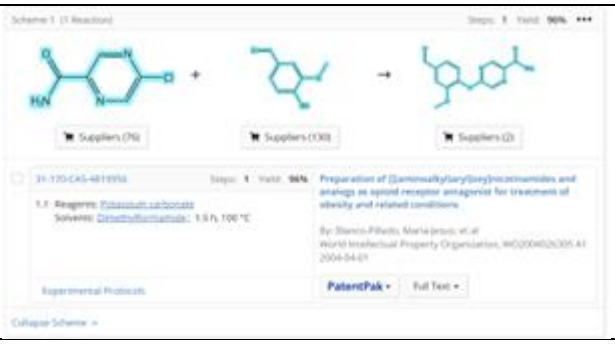
Step 2		https://scifinder-n.cas.org/search/reaction/640729862b901c23fd16ab50/1
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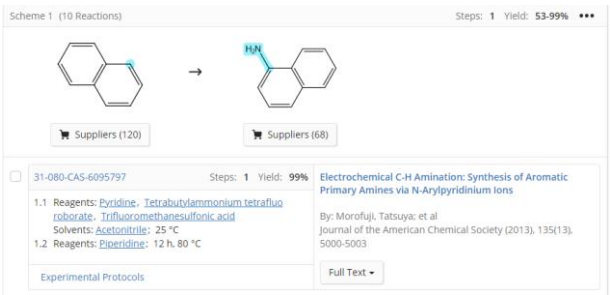
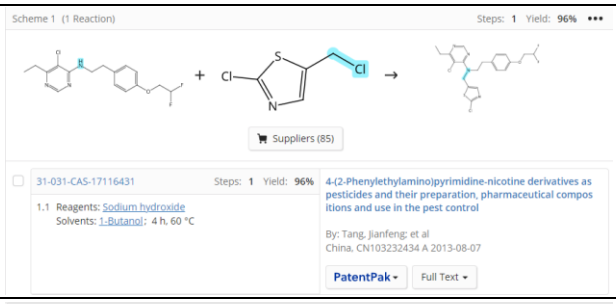
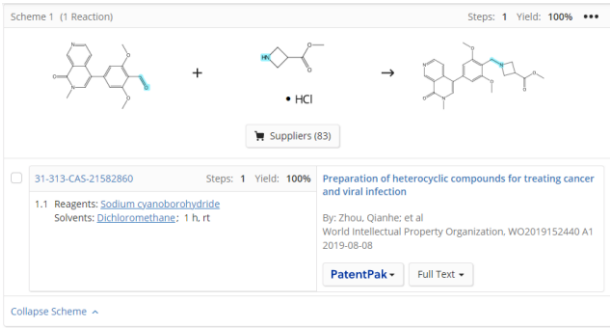
Route 46 Step 1		https://scifinder-n.cas.org/search/reaction/64073ce415f126035f20ffab/1
Route 47 Step 1		https://scifinder-n.cas.org/search/reaction/64073c5d15f126035f20f4fc/1
Route 48 Step 1		https://scifinder-n.cas.org/search/reaction/64073d1a15f126035f210346/1

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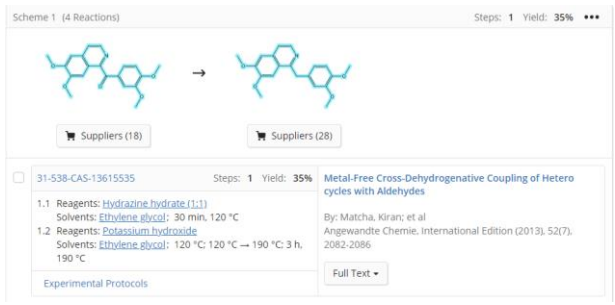
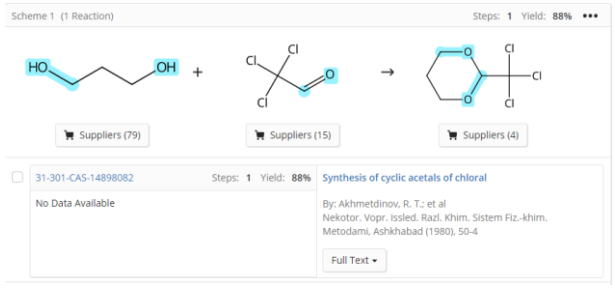
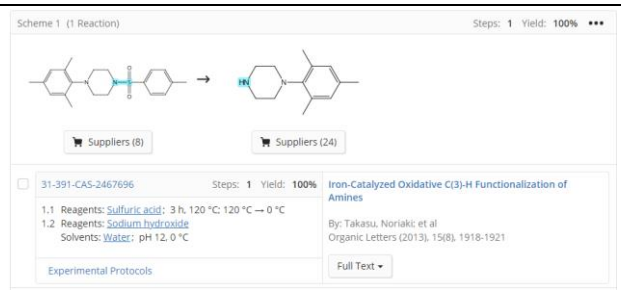
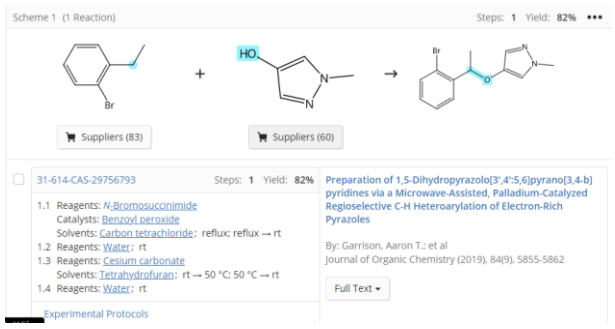
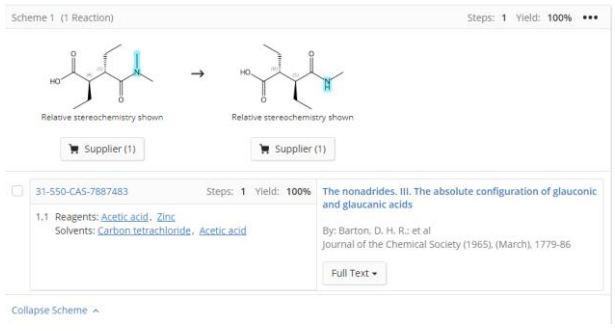
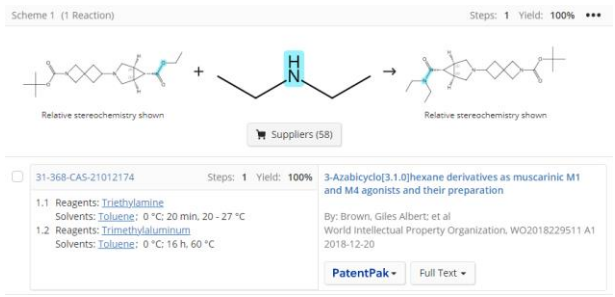
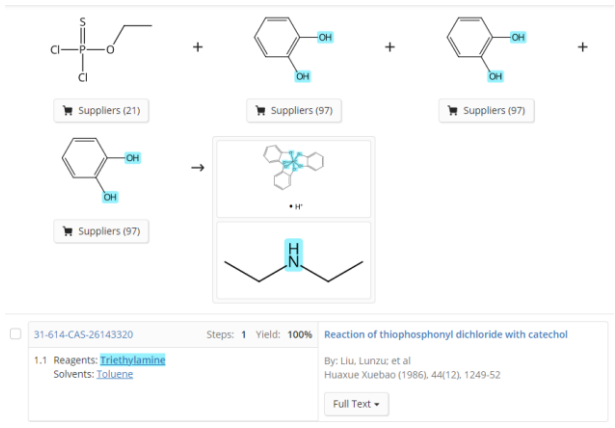
Route 50 Step 1		https://scifinder-n.cas.org/search/reaction/64073db615f126035f210dcc/1
Route 51 Step 1		https://scifinder-n.cas.org/search/reaction/64073e1d15f126035f211457/1
Route 52 Step 1		https://scifinder-n.cas.org/search/reaction/64073e5f15f126035f211947/1
Step 2		https://scifinder-n.cas.org/search/reaction/64073ea115f126035f211e1b/1

Route 53 Step 1		https://scifinder-n.cas.org/search/reaction/64073f2d15f126035f212a49/1
Step 2		https://scifinder-n.cas.org/search/reaction/64073f8f15f126035f213338/1
Route 54 Step 1		https://scifinder-n.cas.org/search/reaction/64073fbd15f126035f213625/1
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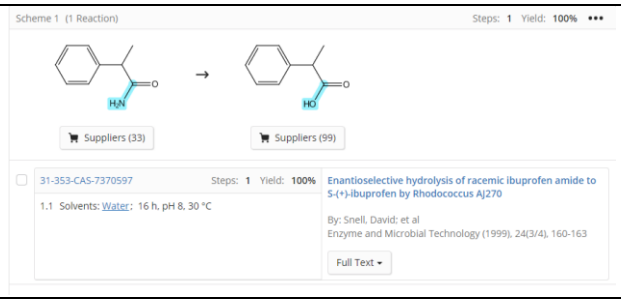
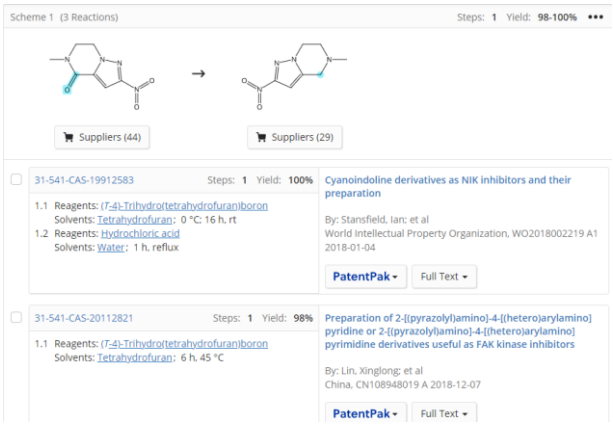
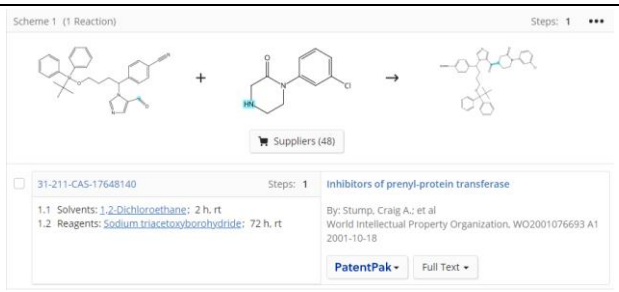
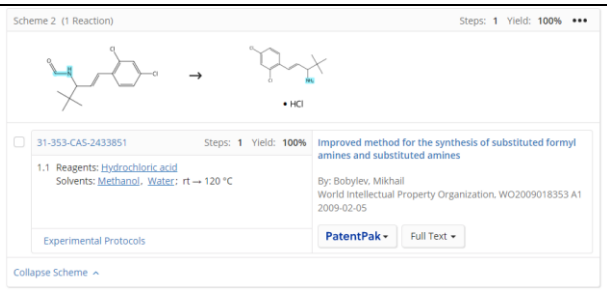
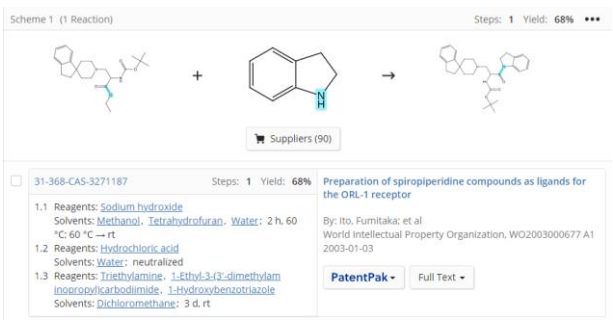
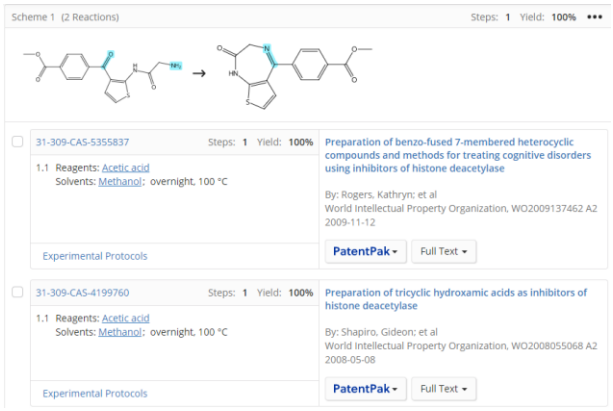
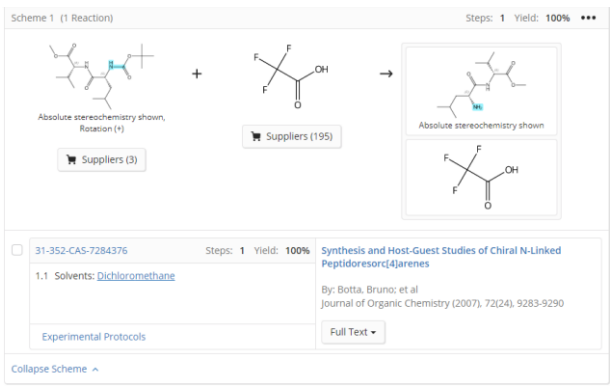
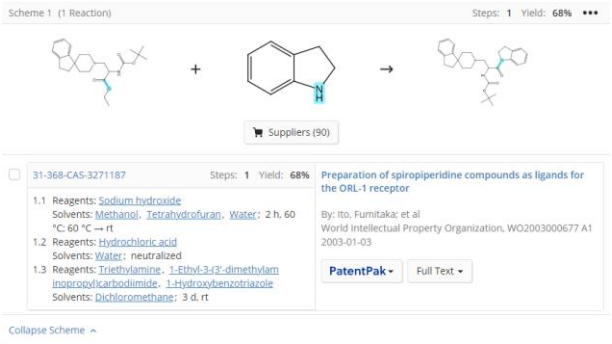
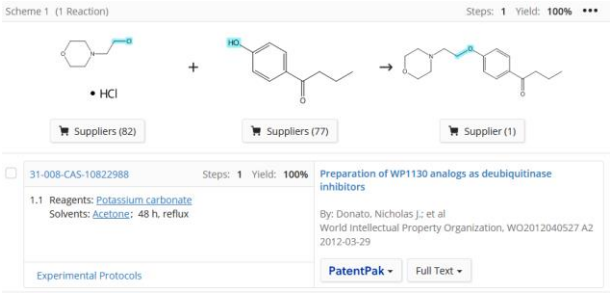
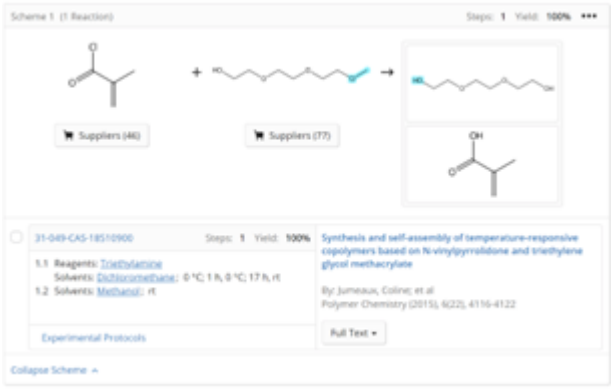
Route 55 Step 1		https://scifinder-n.cas.org/search/reaction/6407402315f126035f213d57/1

Route 56 Step 1		https://scifinder-n.cas.org/search/reaction/6407407715f126035f2144be/1
Step 2		https://scifinder-n.cas.org/search/reaction/640740bd15f126035f214b4e/1
Route 57 Step 1		https://scifinder-n.cas.org/search/reaction/640740f415f126035f215051/1
Step 2		https://scifinder-n.cas.org/search/reaction/6407416f15f126035f2158ef/1
Route 58 Step 1		https://scifinder-n.cas.org/search/reaction/640741b515f126035f215ecc/1

Step 2		https://scifinder-n.cas.org/search/reaction/640741fb15f126035f2163f6/1
Step 3		https://scifinder-n.cas.org/search/reaction/6407424015f126035f216963/1
Route 59 Step 1		https://scifinder-n.cas.org/search/reaction/640731e69bdefb0477012104/1
Route 60 Step 1		https://scifinder-n.cas.org/search/reaction/6407341b2b901c23fd1767dd/1

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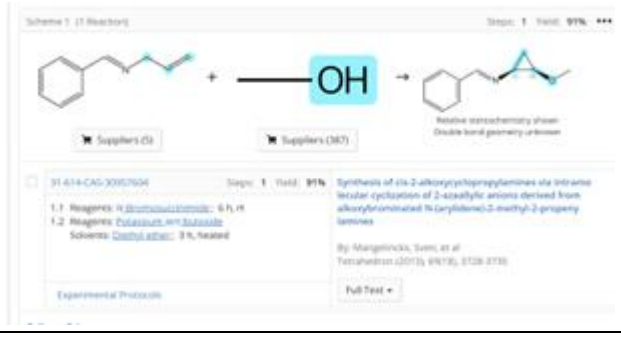
Route 62 Step 1		https://scifinder-n.cas.org/search/reaction/6407359b2b901c23fd177e13/1
Route 63 Step 1		https://scifinder-n.cas.org/search/reaction/640735ed2b901c23fd178365/1
Step 2		https://scifinder-n.cas.org/search/reaction/6407364c2b901c23fd178bb6/1

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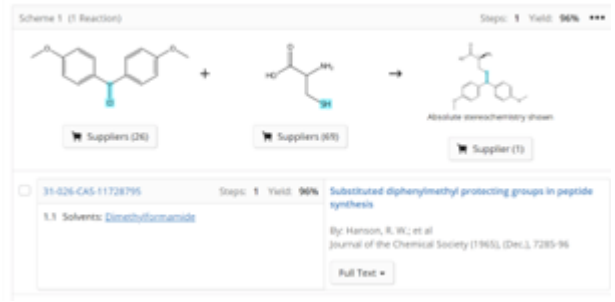
Route 65 Step 1		https://scifinder-n.cas.org/search/reaction/640737c22b901c23fd17ab20/1
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Step 3		https://scifinder-n.cas.org/search/reaction/6407380b2b901c23fd17b1aa/1
Route 66 Step 1		https://scifinder-n.cas.org/search/reaction/640738362b901c23fd17b503/1
Route 67 Step 1		https://scifinder-n.cas.org/search/reaction/6407386a2b901c23fd17bacc/1
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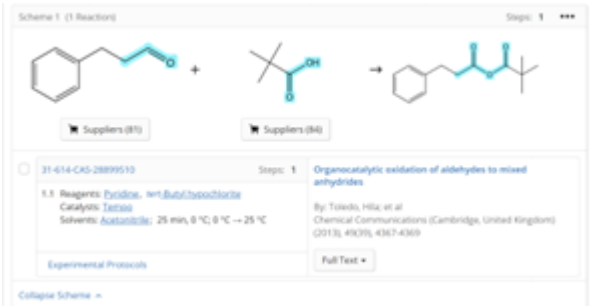
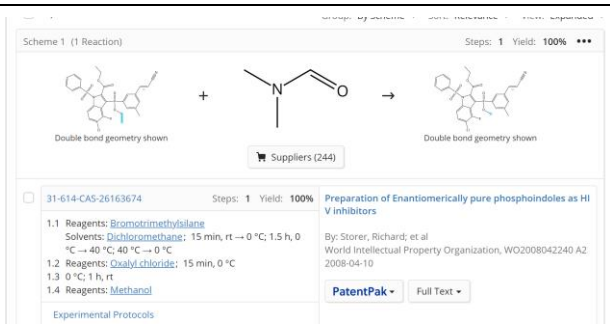
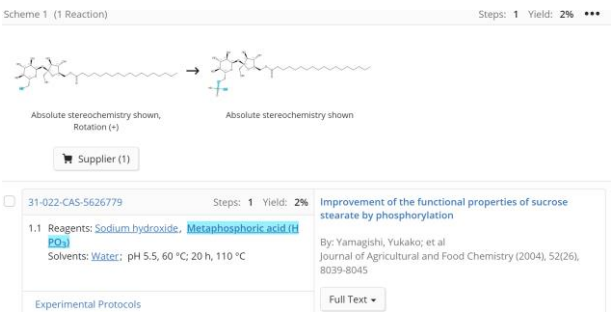
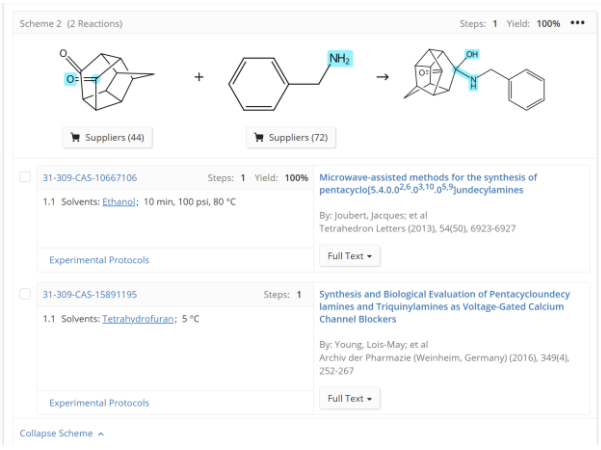
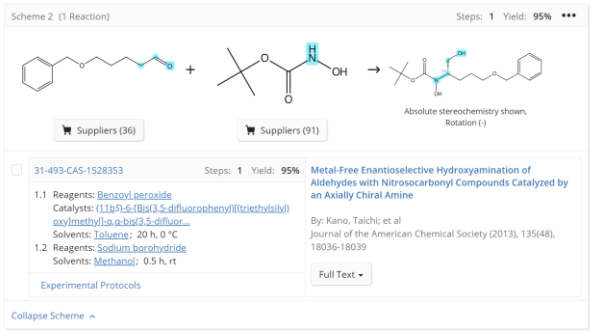
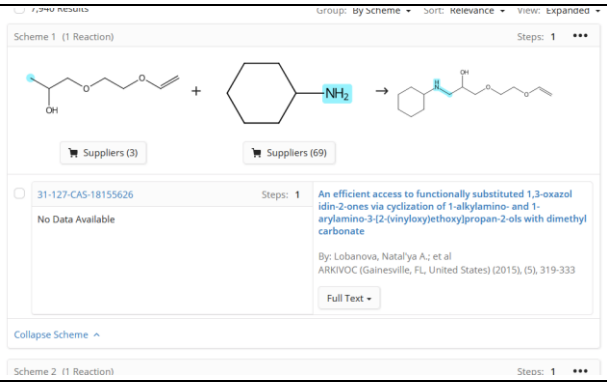
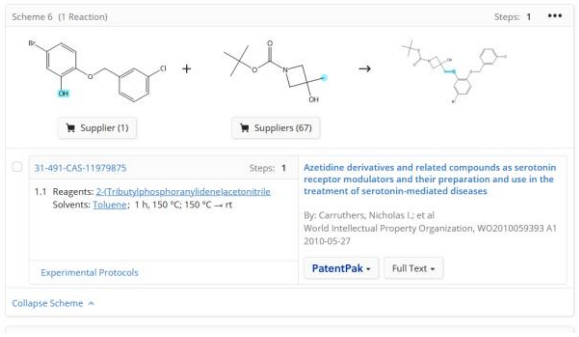
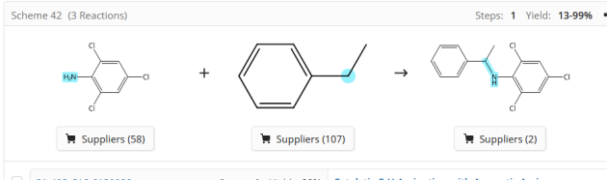
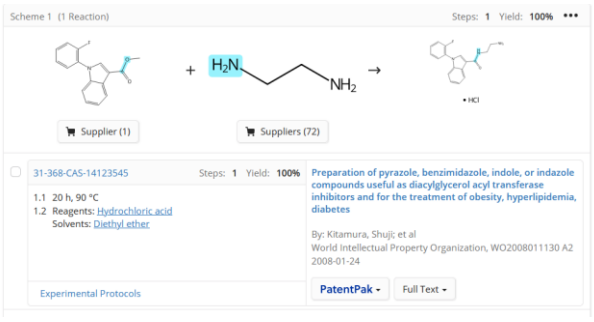
Route 68 Step 1		https://scifinder-n.cas.org/search/reaction/640738aa2b901c23fd17c068/1
Route 69 Step 1		https://scifinder-n.cas.org/search/reaction/6407390c2b901c23fd17c822/1

Route 70 Step 1		https://scifinder-n.cas.org/search/reaction/6407399f2b901c23fd17d3ab/1
Route 71 Step 1		https://scifinder-n.cas.org/search/reaction/640739d32b901c23fd17d7da/1
Step 2		https://scifinder-n.cas.org/search/reaction/64073a042b901c23fd17db7d/1
Route 72 Step 1		https://scifinder-n.cas.org/search/reaction/64073adc2b901c23fd17eb2a/1
Route 73 Step 1		https://scifinder-n.cas.org/search/reaction/64073b0c2b901c23fd17ee4b/1

Route 74 Step 1		https://scifinder-n.cas.org/search/reaction/64073c8d2b901c23fd180ab2/1
Step 2		https://scifinder-n.cas.org/search/reaction/64073d062b901c23fd1812e8/1
Step 3		https://scifinder-n.cas.org/search/reaction/64073d352b901c23fd181666/1
Route 75 Step 1		https://scifinder-n.cas.org/search/reaction/640745833136c60ac9448417/1
Step 2		https://scifinder-n.cas.org/search/reaction/640745a53136c60ac944866d/1

Step 3		https://scifinder-n.cas.org/search/reaction/640745f63136c60ac9448c96/1
Route 76 Step 1		https://scifinder-n.cas.org/search/reaction/640746673136c60ac94495c4/1
Route 77 Step 1		https://scifinder-n.cas.org/search/reaction/6407465b9bdefb04770285d4/1
Step 2		https://scifinder-n.cas.org/search/reaction/640746929bdefb0477028927/1
Route 78 Step 1		https://scifinder-n.cas.org/search/reaction/640745b89bdefb0477027bd5/3

Route 79 Step 1		https://scifinder-n.cas.org/search/reaction/640745239bdefb0477027181/1
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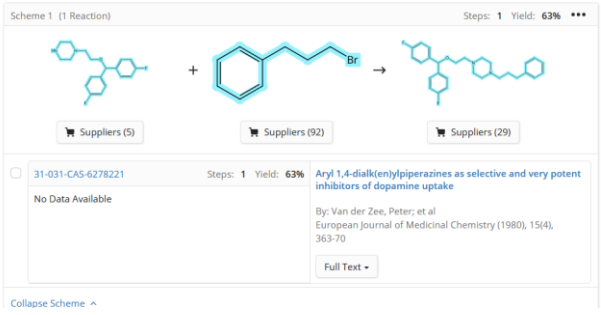
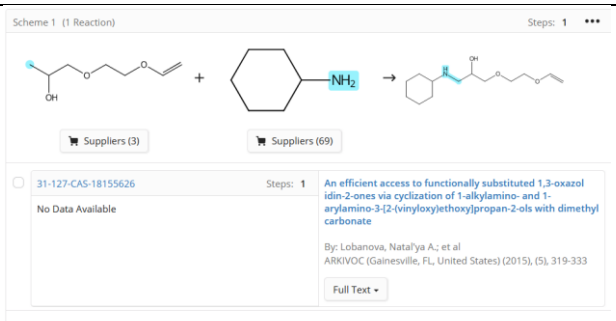
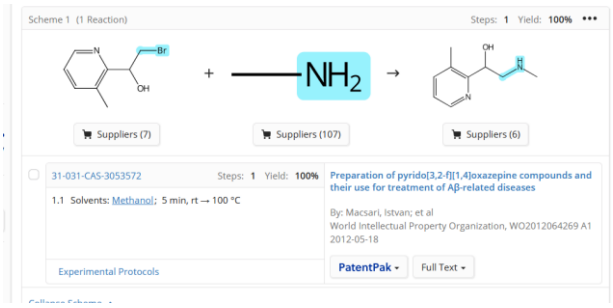
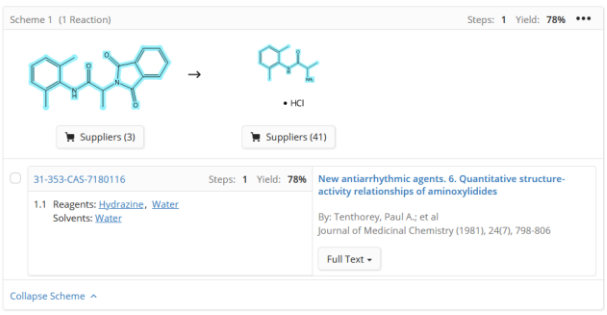
Route 81 Step 1		https://scifinder-n.cas.org/search/reaction/640744909bdefb04770269b7/1
Route 82 Step 1		https://scifinder-n.cas.org/search/reaction/640744639bdefb0477026769/1
Route 83 Step 1		https://scifinder-n.cas.org/search/reaction/640744359bdefb04770264b5/1
Route 84 Step 1		https://scifinder-n.cas.org/search/reaction/640743d59bdefb0477025f45/1

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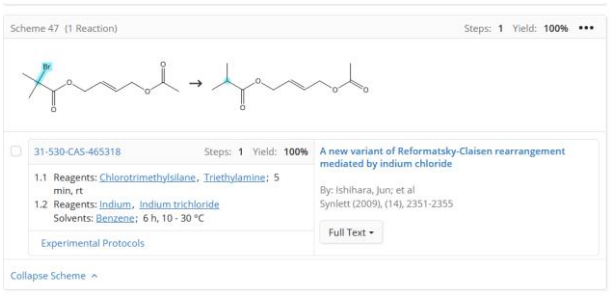
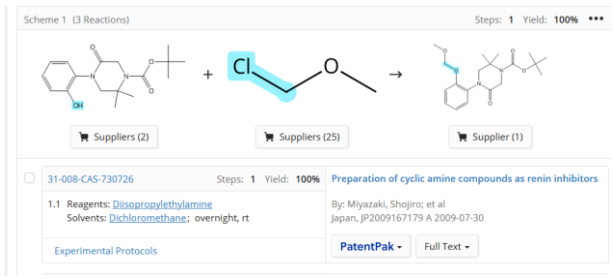
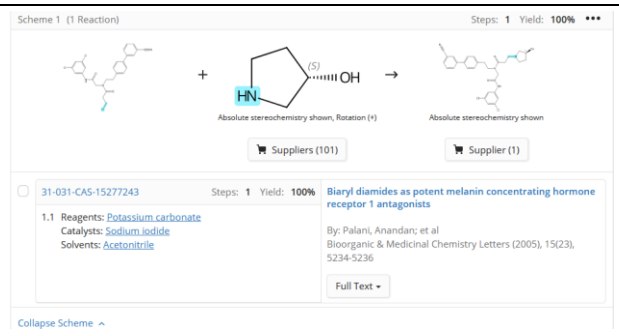
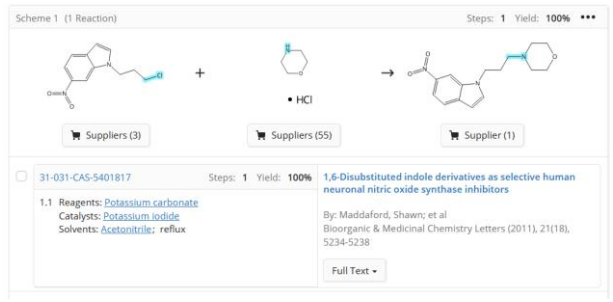
Step 2		https://scifinder-n.cas.org/search/reaction/640742e09bdefb0477024f45/3
Step 3		https://scifinder-n.cas.org/search/reaction/640742439bdefb04770241ef/1
Step 4		https://scifinder-n.cas.org/search/reaction/640742209bdefb0477023fa2/1
Route 86 Step 1		https://scifinder-n.cas.org/search/reaction/640740e59bdefb0477022a63/1
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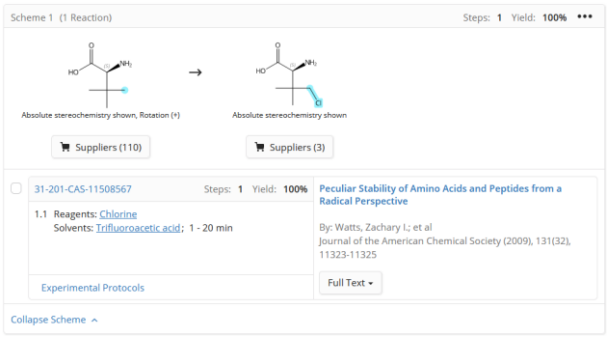
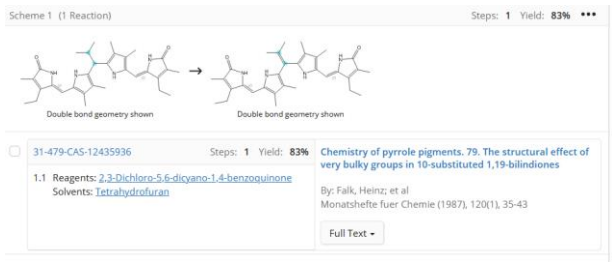
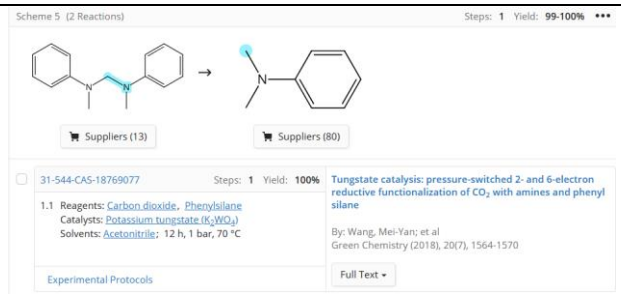
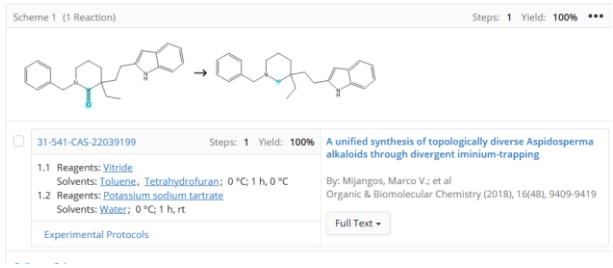
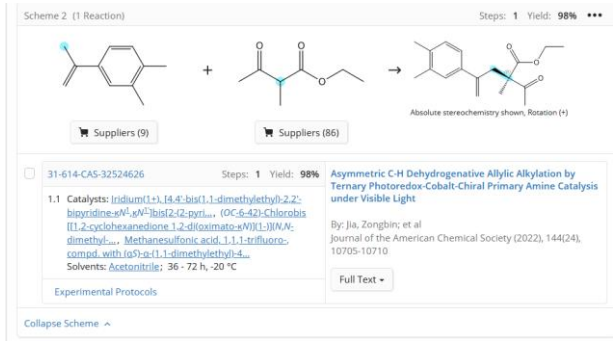
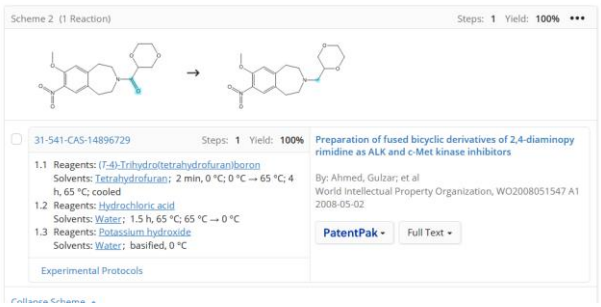
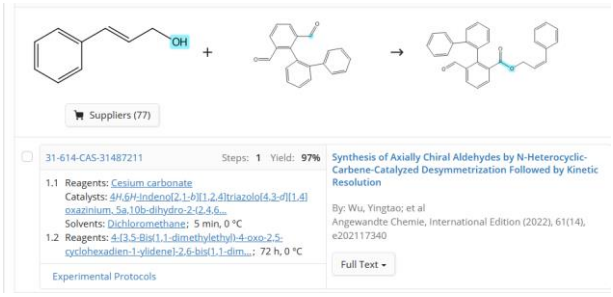
		
Route 87 Step 1		https://scifinder-n.cas.org/search/reaction/640740ab9bdefb04770226cc/1
Step 2		https://scifinder-n.cas.org/search/reaction/640740459bdefb04770 21fa3/1
Step 3		https://scifinder-n.cas.org/search/reaction/640740199bdefb04770 21ce0/1
Step 4	Null	
Route 88 Step 1		https://scifinder-n.cas.org/search/reaction/64073f549bdefb047702113a/1

Route 89 Step 1		https://scifinder-n.cas.org/search/reaction/64073ec79bdefb0477020931/1
Step 2		https://scifinder-n.cas.org/search/reaction/64073ea59bdefb04770206b4/1
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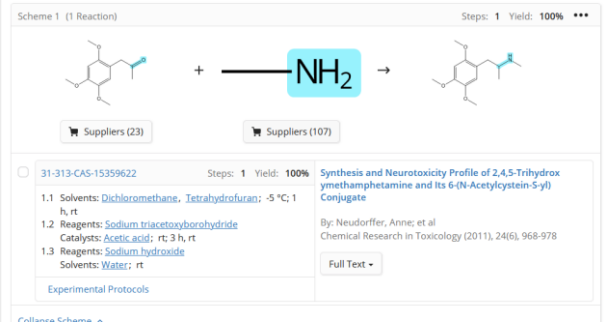
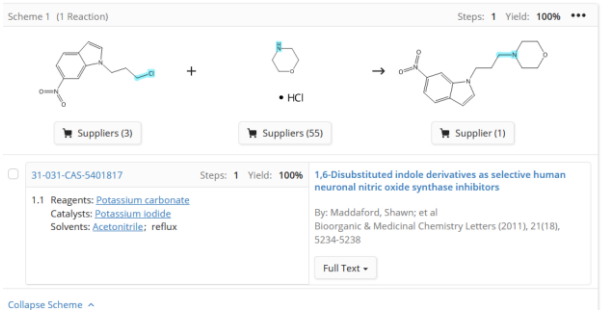
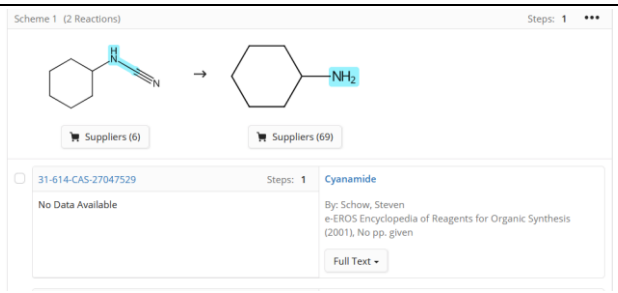
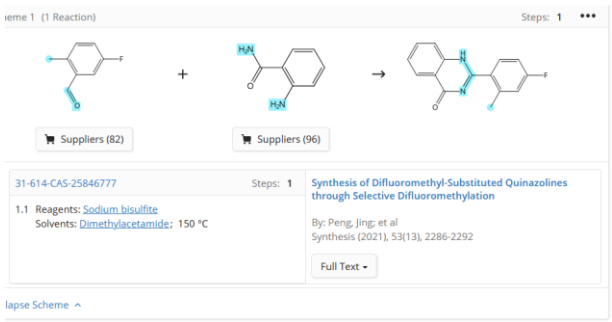
Route 90 Step 1		https://scifinder-n.cas.org/search/reaction/64073cd79bdefb047701ebfe/1
Route 91 Step 1		https://scifinder-n.cas.org/search/reaction/64073c229bdefb047701e05e/1

Route 92 Step 1		https://scifinder-n.cas.org/search/reaction/64073bdb9bdefb047701dc21/1
Route 93 Step 1		https://scifinder-n.cas.org/search/reaction/64073b2a9bdefb047701d09b/1
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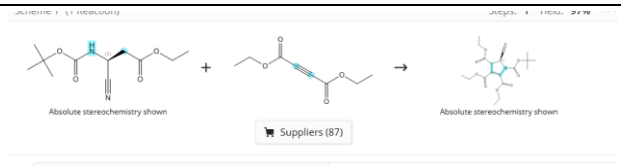
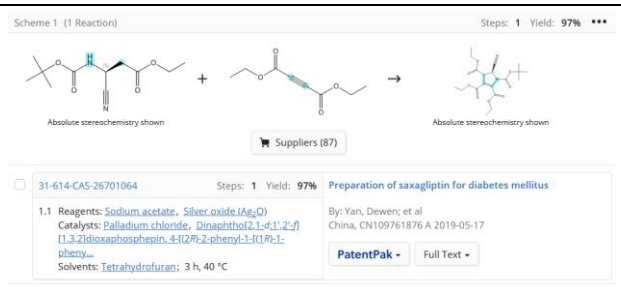
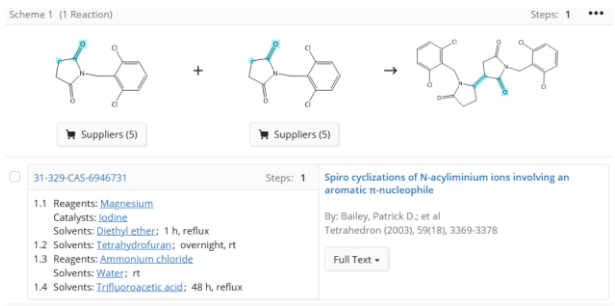
Step 2		https://scifinder-n.cas.org/search/reaction/640738679bdefb047701a1e0/1
Route 95 Step 1		https://scifinder-n.cas.org/search/reaction/640738679bdefb047701a1e0/1
Step 2		https://scifinder-n.cas.org/search/reaction/640737e59bdefb047701970e0/1
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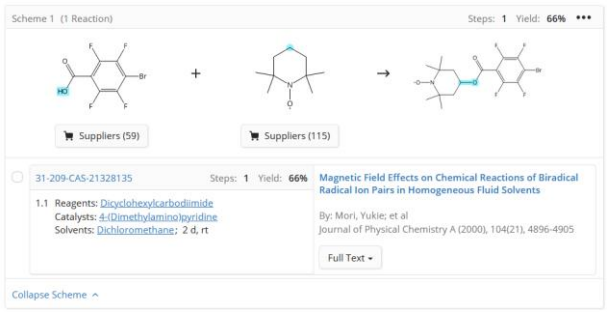
Step 2		https://scifinder-n.cas.org/search/reaction/6407376e9bdefb0477018f20/1
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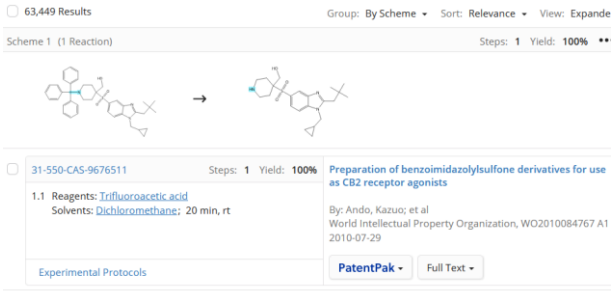
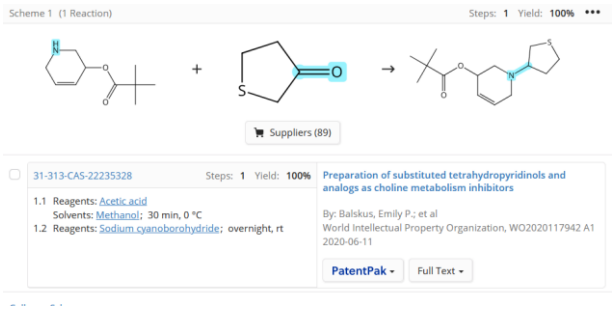
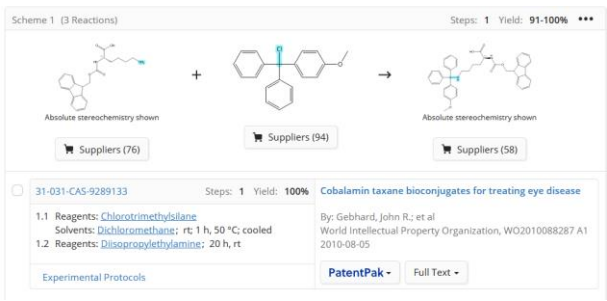
Step 2	Null	
Route 98 Step 1		https://scifinder-n.cas.org/search/reaction/640735569bdefb04770169ba/1
Step 2		https://scifinder-n.cas.org/search/reaction/640735ae9bdefb04770170a2/1
Step 3		https://scifinder-n.cas.org/search/reaction/640735ed9bdefb04770175b0/1
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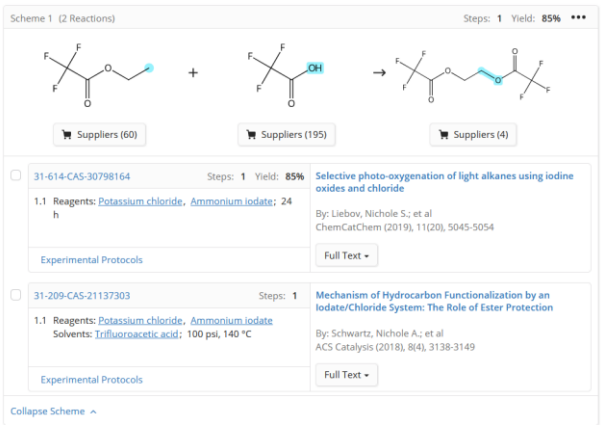
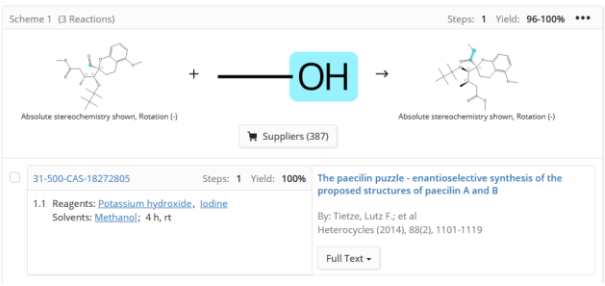
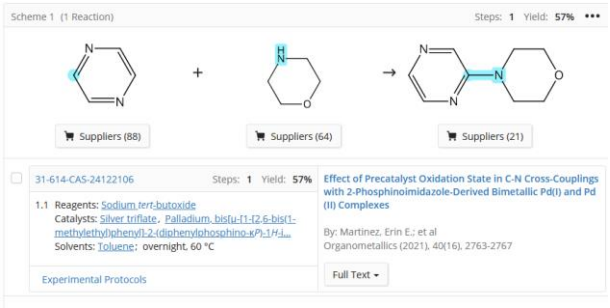
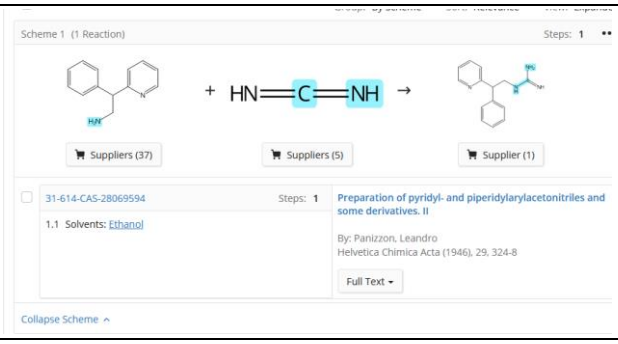
Step 2		https://scifinder-n.cas.org/search/reaction/640734429bdefb04770154c7/1
Step 3		https://scifinder-n.cas.org/search/reaction/640734bd9bdefb0477015ca5/1
Route 100 Step 1		https://scifinder-n.cas.org/search/reaction/64072fe79bdefb047700ffa5/1
Route 101 Step 1		https://scifinder-n.cas.org/search/reaction/64072eb59bdefb047700eb2f/1