

TABLE S9. Drugs associated to a single angiogenesis-related rare disease

n°	Drugs	Rare diseases Orpha ID	n°	Drugs	Rare diseases Orpha ID
1	(1S, 2S, 3R, 4R)-3-(5-Fluoro-2-(3-methyl-4-(4-methylpiperazin-1-yl)-phenylamino)-pyrimidin-4-ylamino)-bicyclo[2.2.1]hept-5-ene-2-carboxamide benzoate	519 (A)	100	Nilotinib hydrochloride monohydrate	44890 (A)
2	N-[2-Chloro-4-[(6,7-dimethoxy-4-quinolyl)oxy]phenyl]-N'-(5-methyl-3-isoxazolyl) urea hydrochloride monohydrate	217071 (A)	101	Velaglucerase alfa	355 (C)
3	2-[4-(5,6-diphenylpyrazin-2-yl)(isopropyl)amino]butoxy]-N-(methylsulfonyl)acetamide	422 (C)	102	Interferon alpha-2b	33276 (A)
4	4-Amino-1-[5-O-[(2R,4S)-2-oxido-4-(4-pyridinyl)-1,3,2-dioxaphosphorinan-2-yl]-D-arabinofuranosyl]-2(1H)-pyrimidinone	88673 (A)	103	Mifamurtide	668 (A)
5	(-)-trans-3-(5,6-dihydro-4H-pyrrolo[3,2,1-ij]quinolin-1-yl)-4-(1H-indol-3-yl) pyrrolidine-2, 5-dione	3394 (A)	104	Givinostat	729 (B)
6	(6R)-4, 5, 6, 7-tetrahydro-N6-propyl-2, 6-benzothiazole-diamine dihydrochloride monohydrate	803 (C)	105	Manganese, dichloro [[4aR, 13aR, 17aR, 21aR]-1, 2, 3, 4, ...tetraazacycloheptadecane-kN5, kN13, kN18, kN21, kN22]	67037 (A)
7	Anti-EphA2 monoclonal antibody conjugated to maleimidocaproyl monomethylauristatin phenylalanine	213504 (A)	106	Eptacog alfa (activated)	733 (A)
8	17-(allylamino)-17-demethoxygeldanamycin, hydroquinone, hydrochloride	44890 (A)	107	Sabirubicin	70573 (A)
9	Alitretinoin	33276 (A)	108	Zanolimumab	86885 (A)
10	5(S)-[2'-hydroxy ethoxy]-20(S)-camptothecin	668 (A)	109	Zinc acetate dihydrate	905 (C)
11	Cetuximab	67037 (A)	110	Carfilzomib	29073 (A)
12	Anti-von Willebrand Aptamer	54057 (C)	111	Chimeric antibody to mesothelin	217074 (A)
13	Celecoxib	733 (A)	112	N-[4-(3-amino-1H-indazol-4-yl)phenyl]-N'-(2-fluoro-5-methylphenyl) urea	88673 (A)
14	Amrubicin hydrochloride	70573 (A)	113	Riluzole	803 (C)
15	Miltefosine	86885 (A)	114	Patupilone (Epothilone B)	213504 (A)
16	Ammonium tetrathiomolybdate	905 (C)	115	Tegafur, gimeracil, oteracil potassium	63443 (A)
17	Complement factor H	2134 (C)	116	Taliglucerase alfa	355 (C)
18	Aqalsidase alfa	324 (B)	117	Paclitaxel	33276 (A)
19	Cyclopropane-1,1-dicarboxylic acid [4-(6,7-dimethoxy-quinolin-4-yloxy)-phenyl]-amide (4-fluoro phenyl)-amide, (L)-malate salt	1332 (A)	118	Rapamycin (mTOR) inhibitor	668 (A)
20	Treprostinil diethanolamine	90291 (C)	119	Soluble yeast beta-1,3/1,6-glucan	67037 (A)
21	Antihemophilic factor / Von Willebrand factor complex (human)	903 (C)	120	5'-O-(trans-9'-octadecenoyl)-1-β-D-arabinofuranosyl cytosine	519 (A)
22	Colchicine	117 (C)	121	Cisplatin (liposomal)	217074 (A)
23	(S)-ethyl 2-amino-3-(4-(2-amino-6(R)-1-(4-chloro-2-(3-methyl-1H-pyrazol-1-yl)phenyl)-2,2-trifluoroethoxy)pyrimidin-4-yl)phenyl)propanoate	877 (A)	122	Elafin	422 (C)
24	Cladribine	58017 (A)	123	Nemorubicin hydrochloride	88673 (A)
25	Antisense Oligonucleotide [ATCCGGAGGGCTCGCCATGCTGCT]	90050 (C)	124	Sarsasapogenin	803 (C)
26	Aviptadil	797 (C)	125	Pyr-His-Trp-Ser-Tyr-D-Lys(doxorubicinylglutarate)-Leu-Arg-Pro-Gly-NH2, acetate salt	213504 (A)
27	Mitotane	1501 (A)	126	Deoxyribose phosphorothioate (5'-tct-ccc-agg-gtg-cgc-cat-3')	29073 (A)
28	Verteporfine	279 (C)	127	Cytochrome P450 isoform 2B1 gene transfected human embryonic kidney 293 cells encapsulated in polymeric cellulose sulphate	217074 (A)
29	2-Methoxy-5-[(1Z)-2-(3,4,5-trimethoxyphenyl)ethenyl]-phenol	142 (A)	128	Epoprostenol	422 (C)
30	Azathioprin	2137 (C)	129	Nolatrexed	88673 (A)
31	Maribavir	137698 (C)	130	Fenretinide	3394 (A)
32	Mifepristone	99889 (C)	131	Amonafide L-malate	519 (A)
33	Recombinant human anti-interferon gamma monoclonal antibody	158032 (C)	132	Pegylated arginine deiminase	88673 (A)
34	Human normal immunoglobulin	2331 (C)	133	Nilotinib	521 (B)
35	Vinblastine	389 (B)	134	Mammalian target of rapamycin (mTOR) inhibitor	3394 (A)
36	Adenoviral vector containing human p53 gene	524 (A)	135	Xaliproden hydrochloride	803 (C)
37	Iobenguane sulfate I 131	717 (A)	136	Antisense oligonucleotide 5'-d[P-Thio] (CCCTG CTCCC CCCTG GCTCC)-3'	519 (A)
38	Raloxifene hydrochloride	774 (B)	137	Carmustine	360 (A)
39	Abetimus sodium	536 (C)	138	Human anti-intercellular adhesion molecule-1 monoclonal antibody	29073 (A)
40	Chimeric monoclonal antibody to shiga-toxin 1 and 2	90038 (C)	139	Human telomerase reverse transcriptase peptide (611-626)	217074 (A)
41	Vincristine sulfate liposomes	39044 (A)	140	Iloprost trometamol	422 (C)
42	1,2-bis(methylsulphonyl)-1-(2-chloroethyl)-2-[(methylamino)carbonyl]hydrazine	519 (A)	141	Seocalcitol	88673 (A)
43	Aplidine	29073 (A)	142	N-acetylsarcosyl-glycyl-L-valyl-D-allo-isoleucyl-L-threonyl-L-norvalyl-L-isoleucyl-L-arginyl-L-prolyl-N-ethylamide	3394 (A)
44	4-imino-1, 3-diazobicyclo-[3.1.0]-hexan-2-one	217074 (A)	143	Autologous Olfactory Neural Progenitors	803 (C)
45	Ambrisentan	422 (C)	144	Human monoclonal antibody against HLA-DR	29073 (A)
46	4-[3,5-bis(trimethylsilyl)benzamido] benzoic acid	88673 (A)	145	Iodine (I131) anti-CEA sheep-human chimeric monoclonal antibody	217074 (A)
47	Arimoclomol	803 (C)	146	Methyl 4,6-diamino-2-[1-(2-fluorobenzyl)-1H-pyrazolo[3,4-b]pyridine-3-yl]-5-pyrimidinyl(methyl)carbamate	422 (C)
48	(3S)-3-{4-[7-(aminocarbonyl)-2H-indazol-2-yl] phenyl} piperidine tosylate monohydrate salt	213504 (A)	147	Bafetinib	521 (B)
49	Daunorubicin liposome injection	33276 (A)	148	Palifosfamide	3394 (A)
50	Folinic acid	668 (A)	149	Recombinant human vascular endothelial growth factor	803 (C)
51	Acetylsalicylic acid	729 (B)	150	Humanised anti-HM1.24 monoclonal antibody	29073 (A)
52	Humanised antibody fragment (Ep-CAM)-truncated Pseudomonas exotoxin A fusion protein	67037 (A)	151	L-asparaginase encapsulated in erythrocytes	217074 (A)
53	Defibrotide	54057 (C)	152	Sulfonated monophosphorylated mannose oligosaccharide	88673 (A)
54	Eflornithine hydrochloride	733 (A)	153	Benamide, 3-[2-imidazo[1,2-b]pyridazin-3-ylethynyl]-4-methyl-N-[4-[(4-methyl-1-piperazinyl)methyl]-3-(trifluoromethyl)phenyl]	521 (B)
55	H-Arg-Leu-Phe-Phe-Tyr-Arg-Lys-Ser-Val-OH, acetate salt & H-Tyr-Leu-Phe-Phe-Tyr-Arg-Lys-Ser-Val-OH, acetate salt	70573 (A)	154	Clofarabine	519 (A)
56	Trientine dihydrochloride	905 (C)	155	Imexon	29073 (A)
57	Migalastat hydrochloride	324 (B)	156	Masitinib mesilate	217074 (A)
58	Metastable technetium 99 [99mTc] Demogastrin 2	1332 (A)	157	Sildenafil citrate	422 (C)
59	Pemetrexed disodium	50251 (A)	158	Thymalfasin	88673 (A)
60	Halofuginone Hydrobromide	801 (C)	159	Bosutinib	521 (B)
61	Type I native bovine skin collagen	90291 (C)	160	Daunorubicin (liposomal)	519 (A)
62	Desmopressine acetate	903 (C)	161	N-[(2S)-2,3-dihydroxypropyl]-3-[(2-fluoro-4-iodophenyl)amino]isonicotinamide hydrochloride	217074 (A)
63	Recombinant human residue 41 glutamic acid to glutamine variant of Interferon-alfa-2b	117 (C)	162	Sitaxentan sodium	422 (C)
64	Humanised anti-human Interleukin-6 (IL-6) receptor monoclonal antibody (Genetic Recombination)	160 (C)	163	Vaccinia GM-CSF/TK-deactivated virus	88673 (A)
65	Murine anti-CD22 antibody variable region fused to truncated Pseudomonas exotoxin 38	58017 (A)	164	Fluorouracil	360 (A)
66	H-Tyrosine-Glycine-Phenylalanine-Glycine-Glycine-OH	824 (B)	165	Melphalan	29073 (A)
67	Myristoylated-peptidyl-recombinant Human CD59	447 (C)	166	Terquid	422 (C)
68	Mecasermin rinfabate	90050 (C)	167	Gemtuzumab Ozogamicin	519 (A)
69	1-Cyclopropyl-3-[3-(5-morpholin-4-ylmethyl-1H-benzoimidazol-2-yl)-1H-pyrazol-4-yl]-urea	519 (A)	168	Milatumumab	29073 (A)
70	5'-O-(trans-9'-octadecenoyl)-1-beta-D-2'-deoxy-2'-difluorocytidine	217074 (A)	169	Paclitaxel (liposomal)	217074 (A)
71	Doxorubicin carbon/iron magnetically targeted microparticles	88673 (A)	170	Treprostinil diethanolamine (oral use)	422 (C)
72	Brostallicin	3394 (A)	171	Histamine dihydrochloride	519 (A)
73	Cholest-4-en-3-one, oxime	803 (C)	172	Rubitecan	217074 (A)
74	Plevitrexed	63443 (A)	173	Treprostinil sodium (inhalation use)	422 (C)
75	Miglustat	355 (C)	174	N2-Deacetyl-N2-[4-methyl-4-(oxobutylidithio)-1-oxopentyl]-maytansine-chimerized anti-CD138 IgG4 monoclonal antibody	29073 (A)
76	Methotrexate	668 (A)	175	S-[2,3-bis(palmitoyloxy)-(2R)-propyl]-cysteinyI-GNNDENSNISFKEK	217074 (A)
77	11-(2-pyrrolidin-1-yl-ethoxy)-14,19-dioxo-5,7,26-triaza-tetracyclo[19.3.1.1(2,6).1(8,12)]heptacosane-1(25),2(26),3,5,8,10,12(27),16,21,23-decaene	729 (B)	176	Vasoactive intestinal peptide	422 (C)
78	Leukocyte interleukin	67037 (A)	177	Human monoclonal antibody against inhibitory killer cell Ig-like receptors (1-7 F9)	519 (A)
79	Nanobody directed towards the human A1 domain of von Willebrand factor	54057 (C)	178	Human transferrin conjugated to mutant diphtheria toxin	360 (A)
80	Eicosapentaenoic acid	733 (A)	179	Lestaurtinib	519 (A)
81	Picoplatin	70573 (A)	180	Recombinant histidine-tagged idiotype immunoglobulin Fab fragment of clonal B-cell receptors	29073 (A)
82	Romidepsin	86885 (A)	181	Yttrium (90Y)-DOTA-radiolabelled humanized monoclonal antibody against mucin 1	217074 (A)
83	Zinc acetate	905 (C)	182	Vorinostat	29073 (A)
84	Recombinant human minibody against complement component C5	2134 (C)	183	Brivudine	217074 (A)
85	Alpha-Galactosidase A	324 (B)	184	Mitoxantrone	519 (A)
86	Vandetanib	1332 (A)	185	Dexamethasone (40 mg tablet)	29073 (A)
87	Ranpirnase	50251 (A)	186	N-(2-amino-phenyl)-4-(4-pyridin-3-yl-pyrimidin-2-ylamino)-methyl benzamide	519 (A)
88	Peptide 144 TGF-beta1-inhibitor (TSLDASIWMQMGN)	801 (C)	187	Perifosine	29073 (A)
89	Human engineered monoclonal antibody specific for transforming growth factor β1 (TGF-β1)	90291 (C)	188	N-(5-tert-Butylisoxazol-3-yl)-N'-(4-[7-(2-(morpholin-4-yl)ethoxy)imidazo[2,1-b][1,3]benzothiazol-2-yl]phenyl)urea dihydrochloride salt	519 (A)
90	Human coagulation factor VIII (antihemophilic A factor)	903 (C)	189	Recombinant human histone H1.3 and recombinant human N-bis-met-histone H1.3	519 (A)
91	2-[3-[(4-[(5-[(2-[[3-Fluorophenylamino]-2-oxoethyl]-1H-pyrazol-3-yl)amino]-quinazolin-7-yl)oxy]propyl)(ethyl)amino]ethyl dihydrogen phosphate trihydrate	519 (A)	190	Ribonucleotide reductase R2 specific phosphorothioate oligonucleotide	519 (A)
92	Bortezomib	29073 (A)	191	Tipifarnib	519 (A)
93	Bovine bile extract	217074 (A)	192	Tosedostat	519 (A)
94	Beraprost sodium (modified release tablet)	422 (C)	193	Troxacitabine	519 (A)
95	Doxorubicin polyisohexylcyanoacrylate nanoparticles	88673 (A)	194	Zosquidar trihydrochloride	519 (A)
96	Dasatinib	521 (B)	195	2-methoxymethyl-2-hydroxymethyl-1-azabicyclo [2.2.2] octan-3-one	519 (A)
97	Deforolimus	3394 (A)	196	Temozolomide	360 (A)
98	Filgrastim	803 (C)	197	Recombinant fusion protein consisting of the extracellular portion of CD95 fused to the Fc part of a human IgG1 molecule	360 (A)
99	R-1-[2,3-dihydro-2-oxo-1-pivaloylmethyl-5-(2-pyridyl)-1H-1,4-benzodiazepin-3-yl]-3-(3-methylaminophenyl)urea	63443 (A)	198	Tranilast	360 (A)

(A), (B), (C) correspond to subset A, B and C respectively.