

Discovery of monocarbonyl curcumin-BTP hybrids as STAT3 inhibitors
for drug-sensitive and drug-resistant breast cancer therapy

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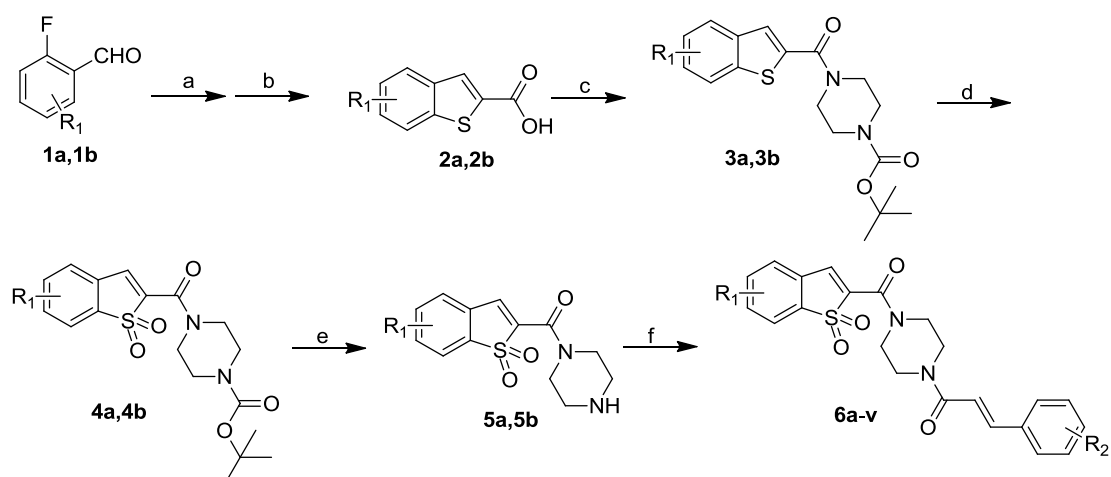
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S1.Synthesis of the new curcumin-BTP hybrids



Reagents and conditions: (a) HSCH₂COOCH₃, DMF, 60 °C, 16h; (b) 10% KOH, reflux, 3 h, 1 M HCl; (c) SO₂Cl, reflux; Et₃N, overnight; (d) m-CPBA, DCM, reflux, 8h; (e) HCl gas in MeOH, rt, 48 h; (f) HATU, Et₃N, DCM, rt, overnight.

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S2.The ¹H NMR spectrums of representative compounds

