

SW203668 (trifluoroacetate salt)

Chemical Properties

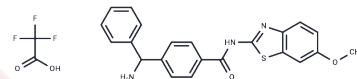
CAS No. : 2117405-48-6

Formula: C₂₄H₂₀F₃N₃O₄S

Molecular Weight: 503.49

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	SW203668 is an irreversible inhibitor of stearoyl-CoA desaturase (IC ₅₀ = 54 nM). It is selectively cytotoxic to H2122, H460, HCC44, and HCC95 cell lines that express cytochrome P450 (CYP) isoform CYP4F11 over eight other cancer cell lines that lack CYP4F11 in vitro (IC ₅₀ s = 22-116 and >10,000 nM, respectively) and ectopic expression of CYP4F11 in SW203668-insensitive H1155 cells results in sensitization to SW203668.
Targets(IC ₅₀)	Others,Antibacterial
In vivo	In vivo, SW203668 reduces tumor growth rate without reducing sebocyte production in the H2122 wild-type and nonobese diabetic severe combined immunodeficiency (NOD-SCID) mouse xenograft models when administered at doses of 20 and 6 mg/kg, respectively.

Solubility Information

Solubility	Ethanol:PBS (pH 7.2) (1:3): 0.25 mg/mL (0.5 mM),Sonication is recommended. DMSO: 20 mg/mL (39.72 mM),Sonication is recommended. DMF: 20 mg/mL (39.72 mM),Sonication is recommended. Ethanol: 20 mg/mL (39.72 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9861 mL	9.9307 mL	19.8614 mL
5 mM	0.3972 mL	1.9861 mL	3.9723 mL
10 mM	0.1986 mL	0.9931 mL	1.9861 mL
50 mM	0.0397 mL	0.1986 mL	0.3972 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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