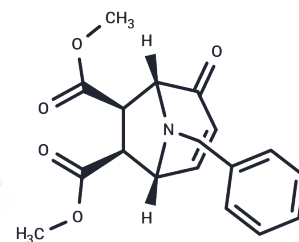


SD 1008

Chemical Properties

CAS No. : 960201-81-4
 Formula: C₁₈H₁₉NO₅
 Molecular Weight: 329.35
 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	SD 1008 is a JAK2/STAT3 signaling pathway inhibitor. SD 1008 inhibits activation of STAT3, JAK2, and Src.
Targets(IC50)	Apoptosis,Others,STAT,JAK
In vitro	SD 1008 induces apoptosis in cell lines expressing constitutively active tyrosine-phosphorylated STAT3.

Solubility Information

Solubility	DMSO: <32.94 mg/mL, Sonication is recommended. Ethanol: <1 mg/mL, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0363 mL	15.1814 mL	30.3628 mL
5 mM	0.6073 mL	3.0363 mL	6.0726 mL
10 mM	0.3036 mL	1.5181 mL	3.0363 mL
50 mM	0.0607 mL	0.3036 mL	0.6073 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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