

SD 1008

Chemical Properties

CAS No.:	960201-81-4
Formula:	C ₁₈ H ₁₉ NO ₅
Molecular Weight:	329.35
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	SD 1008 is a JAK2/STAT3 signaling pathway inhibitor. SD 1008 inhibits activation of STAT3, JAK2, and Src.
In vitro	SD 1008 induces apoptosis in cell lines expressing constitutively active tyrosine-phosphorylated STAT3.

Solubility Information

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

	1mg	5mg	10mg
1 mM	3.036 mL	15.181 mL	30.363 mL
5 mM	0.607 mL	3.036 mL	6.073 mL
10 mM	0.304 mL	1.518 mL	3.036 mL
50 mM	0.061 mL	0.304 mL	0.607 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Inhibitors · Natural Compounds · Compound Libraries

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

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