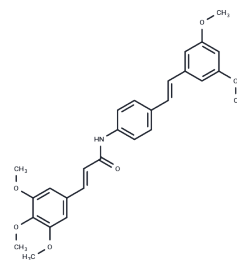


STAT3-IN-1

Chemical Properties

CAS No. :	2059952-75-7
Formula:	C ₂₈ H ₂₉ N ₀ O ₆
Molecular Weight:	475.53
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	STAT3-IN-1 selective and orally active inhibitor of STAT3(in HT29 and MDA-MB 231 cells, with IC ₅₀ values of 1.82 μM and 2.14 μM , respectively), induces tumor apoptosis.
Targets(IC ₅₀)	Apoptosis,STAT
In vitro	STAT3-IN-1 induces tumor cells apoptosis in MDA-MB-231 cells

Solubility Information

Solubility	DMSO: 125 mg/mL (262.86 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	2.1029 mL	10.5146 mL	21.0292 mL
5 mM	0.4206 mL	2.1029 mL	4.2058 mL
10 mM	0.2103 mL	1.0515 mL	2.1029 mL
50 mM	0.0421 mL	0.2103 mL	0.4206 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.

Reference

Li S, et al. Discovery of oral-available resveratrol-caffeic acid based hybrids inhibiting acetylated and phosphorylated STAT3 protein. Eur J Med Chem. 2016 Nov 29;124:1006-1018.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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