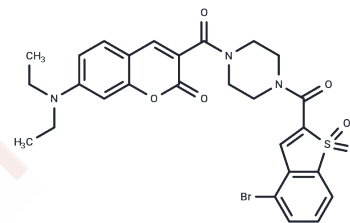


STAT3-IN-3

Chemical Properties

CAS No. :	2361304-26-7
Formula:	C ₂₇ H ₂₆ BrN ₃ O ₆ S
Molecular Weight:	600.48
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-3 is a potent and selective inhibitor of signal transducer and activator of transcription 3 (STAT3).
Targets(IC50)	Apoptosis, STAT

Solubility Information

Solubility	DMSO: 5 mg/mL (8.33 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	1.6653 mL	8.3267 mL	16.6533 mL
5 mM	0.3331 mL	1.6653 mL	3.3307 mL
10 mM	0.1665 mL	0.8327 mL	1.6653 mL
50 mM	0.0333 mL	0.1665 mL	0.3331 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

Cai G, et al. Discovery of fluorescent coumarin-benzo[b]thiophene 1, 1-dioxide conjugates as mitochondria-targeting antitumor STAT3 inhibitors. Eur J Med Chem. 2019 Jul 15;174:236-251.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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