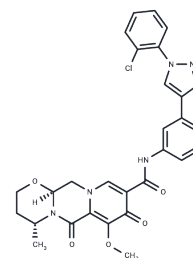


STAT1/3-IN-1

Chemical Properties

CAS No. :	2958649-56-2
Formula:	C ₂₈ H ₂₅ ClN ₆ O ₅
Molecular Weight:	560.988
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	STAT1/3-IN-1 (Compound 6k) is an inhibitor of STAT1/3 phosphorylation. It prevents the phosphorylation and nuclear translocation of STAT1/3. Additionally, STAT1/3-IN-1 inhibits the inflammatory enzymes iNOS and COX-2. This compound exhibits anti-inflammatory properties by reducing pro-inflammatory cytokines, such as IL-1 β , IL-6, and TNF- α , without significant cytotoxicity.
Targets(IC50)	NO Synthase, STAT, COX, Interleukin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7826 mL	8.9128 mL	17.8256 mL
5 mM	0.3565 mL	1.7826 mL	3.5651 mL
10 mM	0.1783 mL	0.8913 mL	1.7826 mL
50 mM	0.0357 mL	0.1783 mL	0.3565 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

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481