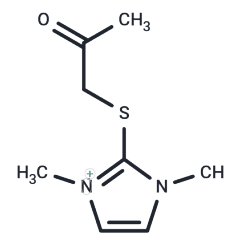


TG-2-IN-1

Chemical Properties

CAS No. :	135273-74-4
Formula:	C ₈ H ₁₃ ClN ₂ O ₂ S
Molecular Weight:	220.72
Storage:	Powder: -20°C for 3 years Actual storage temperature shall be subject to the COA.



Biological Description

Description	TG-2-IN-1 is a potent transglutaminase-2 (TGM-2) inhibitor. TG-2-IN-1 is used in the study of cancer, neurological disorders, and immune system disorders.
Targets(IC50)	Others, Glutaminase

Solubility Information

Solubility	H ₂ O: 80 mg/mL (362.45 mM), Sonication is recommended. DMSO: 115 mg/mL (521.02 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 10 mg/mL (45.31 mM), Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5306 mL	22.6531 mL	45.3063 mL
5 mM	0.9061 mL	4.5306 mL	9.0613 mL
10 mM	0.4531 mL	2.2653 mL	4.5306 mL
50 mM	0.0906 mL	0.4531 mL	0.9061 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

Roger W. Beuerman, et al. Transglutaminase-2 inhibitors and uses thereof. US20140050779A1.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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