

KM02894

Chemical Properties

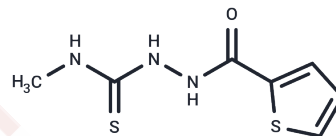
CAS No. : 116850-74-9

Formula: C7H9N3OS2

Molecular Weight: 215.3

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	KM02894 is a glutamate release inhibitor. Cancer cells release high levels of glutamate that can disrupt normal bone turnover, which can lead to cancer-induced bone pain. KM02894 may be used in the study of tumor-related diseases.
Targets(IC50)	Others, GluR

Solubility Information

Solubility	DMSO: 30 mg/mL (139.34 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (9.29 mM), Sonication is recommended. <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	4.6447 mL	23.2234 mL	46.4468 mL
5 mM	0.9289 mL	4.6447 mL	9.2894 mL
10 mM	0.4645 mL	2.3223 mL	4.6447 mL
50 mM	0.0929 mL	0.4645 mL	0.9289 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

Fazzari J, et al. Inhibitors of glutamate release from breast cancer cells; new targets for cancer-induced bone-pain. Sci Rep. 2015;5:8380.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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