

CHET3

Chemical Properties

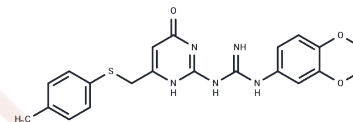
CAS No. : 2489231-47-0

Formula: C₂₁H₂₁N₅O₃S

Molecular Weight: 423.49

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	CHET3 is a highly selective allosteric activator for TASK-3-containing K ₂ P channels. CHET3 has shown potent in vivo analgesic effects in various acute and chronic pain models in rodents.
Targets(IC ₅₀)	Endogenous Metabolite,Potassium Channel

Solubility Information

Solubility	DMSO: 2.12 mg/mL (5.01 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	2.3613 mL	11.8067 mL	23.6133 mL
5 mM	0.4723 mL	2.3613 mL	4.7227 mL
10 mM	0.2361 mL	1.1807 mL	2.3613 mL
50 mM	0.0472 mL	0.2361 mL	0.4723 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

Liao P, et al. Selective activation of TWIK-related acid-sensitive K⁺ 3 subunit-containing channels is analgesic in rodent models. Sci Transl Med. 2019 Nov 20; 11(519):eaaw8434.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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