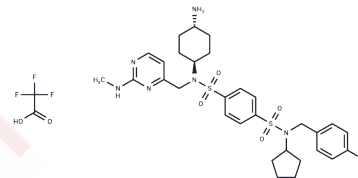


Deltasonamide 2 (TFA)

Chemical Properties

CAS No. :	2235358-74-2
Formula:	C ₃₂ H ₄₀ ClF ₃ N ₆ O ₆ S ₂
Molecular Weight:	761.28
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	Deltasonamide 2 TFA is a competitive, high-affinity PDE δ inhibitor with a Kd of approximately 385 pM.
Targets(IC50)	PDE

Solubility Information

Solubility	DMSO: 125 mg/mL (164.2 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (4.33 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	1.3136 mL	6.5679 mL	13.1358 mL
5 mM	0.2627 mL	1.3136 mL	2.6272 mL
10 mM	0.1314 mL	0.6568 mL	1.3136 mL
50 mM	0.0263 mL	0.1314 mL	0.2627 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

Klein CH, et al. PDE δ inhibition impedes the proliferation and survival of human colorectal cancer cell lines harboring oncogenic KRas. Int J Cancer. 2019 Feb 15;144(4):767-776.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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