

SET 2

Chemical Properties

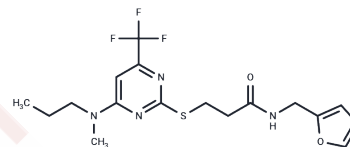
CAS No. : 2313525-20-9

Formula: C₁₇H₂₁F₃N₄O₂S

Molecular Weight: 402.43

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	SET 2 is an antagonist of transient receptor potential vanilloid type 2 (TRPV2) with an IC ₅₀ of 0.46 μM. SET 2 shows selectivity over TRPV1, TRPV3 and TRPV4.
Targets (IC ₅₀)	TRP/TRPV Channel
In vitro	In PC-3M cells, SET 2 (20 μM) suppresses cell migration without inhibiting cell viability and inhibits 2-APB-evoked current transiently co-transfected with TRPV2 and LPAR1[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (124.25 mM), Sonication is recommended. Ethanol: 20.12 mg/mL (50 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	2.4849 mL	12.4245 mL	24.849 mL
5 mM	0.497 mL	2.4849 mL	4.9698 mL
10 mM	0.2485 mL	1.2425 mL	2.4849 mL
50 mM	0.0497 mL	0.2485 mL	0.497 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

Chai H, et al. Structure-Based Discovery of a Subtype-Selective Inhibitor Targeting a Transient Receptor Potential Vanilloid Channel. *J Med Chem.* 2019 Feb 14;62(3):1373-1384.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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