

DSP-0565

Chemical Properties

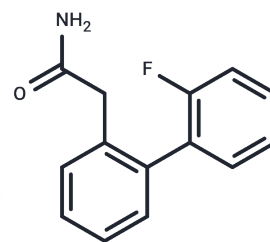
CAS No. : 1226855-28-2

Formula: C₁₄H₁₂FNO

Molecular Weight: 229.25

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	DSP-0565 exhibits anti-convulsant activity and good safety margin in various models including scPTZ, 6 Hz, MES, and amygdala kindling. DSP-0565 can be used in studies about acting as a broad-spectrum anti-epileptic drug.
Targets(IC50)	Others,GABA Receptor

Solubility Information

Solubility	DMSO: 45 mg/mL (196.29 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	4.3621 mL	21.8103 mL	43.6205 mL
5 mM	0.8724 mL	4.3621 mL	8.7241 mL
10 mM	0.4362 mL	2.181 mL	4.3621 mL
50 mM	0.0872 mL	0.4362 mL	0.8724 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

Tanaka T, et al. Identification of 2-(2'-fluoro-[1,1'-biphenyl]-2-yl)acetamide as a Sodium Valproate-like broad spectrum anti-epileptic drug candidate. Bioorg Med Chem Lett. 2019 Jan 15;29(2):138-142.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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