

AC265347

Chemical Properties

CAS No. : 1253901-26-6

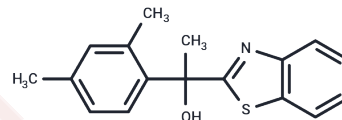
Formula: C₁₇H₁₇NOS

Molecular Weight: 283.39

Store at low temperature

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	AC265347 is a potent calcium-sensitive receptor (CaSR) agonist and ago-PAM orthosteric modulator with antitumour activity that inhibits neuroblastoma tumour growth by inducing differentiation.AC265347 can be used to study neuroblastoma.
Targets(IC50)	CaSR

Solubility Information

Solubility	DMSO: 80 mg/mL (282.3 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 (11.64 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	3.5287 mL	17.6435 mL	35.2871 mL
5 mM	0.7057 mL	3.5287 mL	7.0574 mL
10 mM	0.3529 mL	1.7644 mL	3.5287 mL
50 mM	0.0706 mL	0.3529 mL	0.7057 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

Dinh LV, et, al. Development of AC265347-Inspired Calcium-Sensing Receptor Ago-Positive Allosteric Modulators. ChemMedChem. 2021 Nov 19;16(22):3451-3462.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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