

AM6701

Chemical Properties

CAS No. : 1010096-65-7

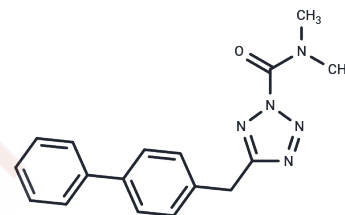
Formula: C₁₇H₁₇N₅O

Molecular Weight: 307.36

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	AM6701 is an effective dual inhibitor of FAAH (fatty acid amide hydrolase) and MAGL (monoacylglycerol lipase), with an IC ₅₀ of 1.2 nM. It exhibits neuroprotective effects by modulating endogenous cannabinoids and inhibiting calpain-mediated excitotoxic brain injury.
Targets(IC ₅₀)	Others,FAAH,MAGL

Solubility Information

Solubility	DMSO: 80 mg/mL (260.28 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 (10.74 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	3.2535 mL	16.2676 mL	32.5351 mL
5 mM	0.6507 mL	3.2535 mL	6.507 mL
10 mM	0.3254 mL	1.6268 mL	3.2535 mL
50 mM	0.0651 mL	0.3254 mL	0.6507 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

Vinogran Naidoo, et al. Equipotent inhibition of fatty acid amide hydrolase and monoacylglycerol lipase - dual targets of the endocannabinoid system to protect against seizure pathology. *Neurotherapeutics*. 2012 Oct;9(4):801-13.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481