Data Sheet (Cat.No.T36498)

TargetMol

CAY10762

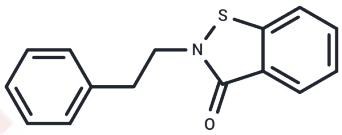
Chemical Properties

CAS No. : 2514-37-6

Formula: C15H13NOS

Molecular Weight: 255.33

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	CAY10762 is an inhibitor of monoacylglycerol lipase (MAGL; IC50= 34.1 nM) that reduces hydrogen peroxide-induced lactate dehydrogenase (LDH) release from Neuro2a cells at a concentration of 1 μM and increases levels of 2-arachidonoyl glycerol in mouse brain at 10 mg/kg.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMF: 15 mg/mL (58.75 mM),Sonication is recommended. DMSO: 10 mg/mL (39.17 mM),Sonication is recommended. Ethanol: 1 mg/mL (3.92 mM),Sonication is recommended. DMF:PBS (pH 7.2) (1:5): 0.16 mg/mL (0.63 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9165 mL	19.5825 mL	39.165 mL
5 mM	0.7833 mL	3.9165 mL	7.833 mL
10 mM	0.3917 mL	1.9583 mL	3.9165 mL
50 mM	0.0783 mL	0.3917 mL	0.7833 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

Castelli, R., Scalvini, L., Vacondio, F., et al.Benzisothiazolinone derivatives as potent allosteric monoacylglycerol lipase inhibitors that functionally mimic sulfenylation of regulatory cysteinesJ. Med. Chem.63(3)1261-1280(2020)

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