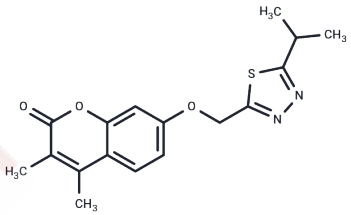
Data Sheet (Cat.No.T71934)

TargetMol

Atibeprone

Chemical Properties



CAS No. : 153420-96-3

Formula: C17H18N2O3S

Molecular Weight: 330.4

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	Atibeprone is a MAO-B inhibitor with antidepressant activity for the study of Parkinson's disease.
Targets(IC50)	MAO,Monoamine Oxidase

Solubility Information

Solubility	DMSO: 10 mg/mL (30.27 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0266 mL	15.1332 mL	30.2663 mL
5 mM	0.6053 mL	3.0266 mL	6.0533 mL
10 mM	0.3027 mL	1.5133 mL	3.0266 mL
50 mM	0.0605 mL	0.3027 mL	0.6053 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

Chhajed, M., Shrivastava, A.K., Chhajed, A. et al. Computational evaluation of 2-amino-5-sulphonamido-1,3,4-thiadiazoles as human carbonic anhydrase-IX inhibitors: an insight into the structural requirement for the anticancer activity against HEK 293. Med Chem Res 26, 2272–2292 (2017). https://doi.org/10.1007/s00044-017-1929-3

Chhajed M, et al. Synthesis of 5-arylidine amino-1,3,4-thiadiazol-2-[(N-substituted benzyol)]sulphonamides endowed with potent antioxidants and anticancer activity induces growth inhibition in HEK293, BT474 and NCI-H226 cells. Med Chem Res. 2014;23(6):3049-3064.

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