

MDK-4025

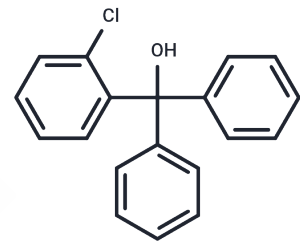
Chemical Properties

CAS No. : 66774-02-5

Formula: C₁₉H₁₅ClO

Molecular Weight: 294.77

Storage: Keep away from moisture, Store at low temperature
 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	MDK-4025 is an inhibitor of the high voltage-activated (HVA) Ca ²⁺ current in pyramidal neurons.
Targets(IC ₅₀)	Calcium Channel

Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3925 mL	16.9624 mL	33.9248 mL
5 mM	0.6785 mL	3.3925 mL	6.785 mL
10 mM	0.3392 mL	1.6962 mL	3.3925 mL
50 mM	0.0678 mL	0.3392 mL	0.6785 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

M M Shah , Z Miscony, M Javadzadeh-Tabatabaie, C R Ganellin, D G Haylett, et al. Clotrimazole analogues: effective blockers of the slow afterhyperpolarization in cultured rat hippocampal pyramidal neurones. Br J Pharmacol. 2001 Feb;132(4):889-98.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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