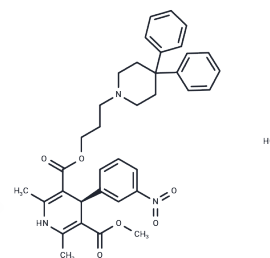


(S)-(+)-Niguldipine hydrochloride

Chemical Properties

CAS No. :	113145-69-0
Formula:	C ₃₆ H ₄₀ ClN ₃ O ₆
Molecular Weight:	646.17
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	(S)-(+)-Niguldipine hydrochloride is a selective α 1A-AR antagonist used in the study of depression and epilepsy.
Targets(IC50)	Calcium Channel, Adrenergic Receptor

Solubility Information

Solubility	DMSO: <64.62 mg/mL, Sonication is recommended. Ethanol: <64.62 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5476 mL	7.7379 mL	15.4758 mL
5 mM	0.3095 mL	1.5476 mL	3.0952 mL
10 mM	0.1548 mL	0.7738 mL	1.5476 mL
50 mM	0.031 mL	0.1548 mL	0.3095 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

Klöckner U, et al. The dihydropyridine niguldipine modulates calcium and potassium currents in vascular smooth muscle cells. Br J Pharmacol. 1989 Jul;97(3):957-67.

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