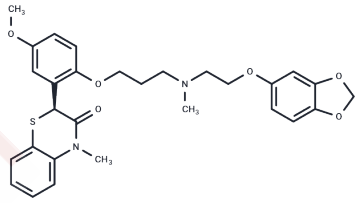
Data Sheet (Cat.No.T25701)

TargetMol

Levosemotiadil

Chemical Properties



CAS No. : 116476-16-5

Formula: C29H32N2O6S

Molecular Weight: 536.64

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Levosemotiadil(SA 3212) is a novel calcium antagonist and a very potent inhibitor of low-density lipoprotein oxidation.Levosemotiadil may be used to prevent lethal cardiac arrhythmias.
Targets(IC50)	Others,Calcium Channel,LDL,Sodium Channel

Solubility Information

Solubility	DMSO: 55 mg/mL (102.49 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8634 mL	9.3172 mL	18.6345 mL
5 mM	0.3727 mL	1.8634 mL	3.7269 mL
10 mM	0.1863 mL	0.9317 mL	1.8634 mL
50 mM	0.0373 mL	0.1863 mL	0.3727 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

Ueda K,et al. Enantioselective local disposition of semotiadil (R-enantiomer) and levosemotiadil (S-enantiomer) in perfused rat liver. Drug Metab Dispos. 1997 Mar;25(3):281-6.

Ueda K, Yamaoka K, Rodriguez ME, Shibukawa A, Nakagawa T. Enantioselective local disposition of semotiadil (R-enantiomer) and levosemotiadil (S-enantiomer) in perfused rat liver. Drug Metab Dispos. 1997 Mar;25(3):281-6. PubMed PMID: 9172944.

Rodriguez Rosas ME, Shibukawa A, Yoshikawa Y, Kuroda Y, Nakagawa T. Binding study of semotiadil and levosemotiadil with alpha(1)-acid glycoprotein using high-performance frontal analysis. Anal Biochem. 1999 Oct 1;274(1):27-33. PubMed PMID: 10527493.

Rodriguez Rosas ME, Shibukawa A, Ueda K, Nakagawa T. Enantioselective protein binding of semotiadil and levosemotiadil determined by high-performance frontal analysis. J Pharm Biomed Anal. 1997 Jun;15(9-10):1595-601. PubMed PMID: 9226594.

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