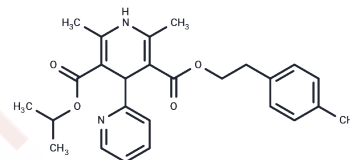


AK-2-38

Chemical Properties

CAS No. : 122508-12-7
 Formula: C₂₆H₃₀N₂O₄
 Molecular Weight: 434.53
 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	AK-2-38 is a nifedipine analogue with potent smooth muscle calcium antagonist action and partial agonist effects on isolated guinea pig left atrium.
Targets(IC50)	Others, Calcium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3013 mL	11.5067 mL	23.0134 mL
5 mM	0.4603 mL	2.3013 mL	4.6027 mL
10 mM	0.2301 mL	1.1507 mL	2.3013 mL
50 mM	0.046 mL	0.2301 mL	0.4603 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

Matowe WC, Akula M, Knaus EE, Wolowyk MW. AK-2-38, a nifedipine analogue with potent smooth muscle calcium antagonist action and partial agonist effects on isolated guinea pig left atrium. Proc West Pharmacol Soc. 1989; 32:305-7. PubMed PMID: 2780609.

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