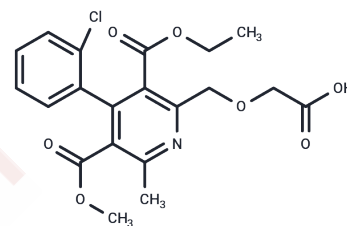


O-Des[2-aminoethyl]-O-carboxymethyl dehydroamlodipine

Chemical Properties

CAS No. :	113994-45-9
Formula:	C ₂₀ H ₂₀ ClNO ₇
Molecular Weight:	421.83
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	O-Des[2-aminoethyl]-O-carboxymethyl dehydroamlodipine is a major metabolite of the calcium channel inhibitor amlodipine .1
Targets(IC50)	Others,Calcium Channel

Solubility Information

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

	1mg	5mg	10mg
1 mM	2.3706 mL	11.8531 mL	23.7062 mL
5 mM	0.4741 mL	2.3706 mL	4.7412 mL
10 mM	0.2371 mL	1.1853 mL	2.3706 mL
50 mM	0.0474 mL	0.2371 mL	0.4741 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

Taguchi, R., Naito, T., Sato, H., et al. Validated LC-MS/MS method for the simultaneous determination of amlodipine and its major metabolites in human plasma of hypertensive patients Ther. Drug Monit. 39(6)625-631 (2017)

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