

(R)-Amlodipine

Chemical Properties

CAS No.:	103129-81-3
Formula:	C ₂₀ H ₂₅ ClN ₂ O ₅
Molecular Weight:	408.88
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	(R)-Amlodipine is the R isomer of Amlodipine, a medication used to prevent chest pain and lower blood pressure.
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Solubility Information

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

	1mg	5mg	10mg
1 mM	2.446 mL	12.229 mL	24.457 mL
5 mM	0.489 mL	2.446 mL	4.891 mL
10 mM	0.245 mL	1.223 mL	2.446 mL
50 mM	0.049 mL	0.245 mL	0.489 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Gottwald-Hostalek U, Sun N, Barho C, Hildemann S. Management of Hypertension With a Fixed-Dose (Single-Pill) Combination of Bisoprolol and Amlodipine. Clin Pharmacol Drug Dev. 2017 Jan;6(1):9-18. doi: 10.1002/cpdd.309. Epub 2016 Oct 26. PubMed PMID: 27653022.
2. van Zwieten PA. Amlodipine: an overview of its pharmacodynamic and pharmacokinetic properties. Clin Cardiol. 1994 Sep;17(9 Suppl 3):III3-6. Review. PubMed PMID: 9156957.

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