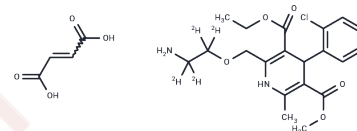


Amlodipine-D4 Maleate (Racemic)

Chemical Properties

CAS No. :	1185246-15-4
Formula:	C ₂₄ H ₂₅ D ₄ ClN ₂ O ₉
Molecular Weight:	528.97
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	Amlodipine-D4 Maleate (Racemic) is a deuterated compound of Amlodipine Maleate (Racemic) (T21263). Amlodipine Maleate (Racemic) has a CAS number of 88150-47-4. Amlodipine maleate is an orally active dihydropyridine calcium channel blocker that inhibits calcium inward flow by blocking voltage-dependent L-type calcium channels. Amlodipine maleate is used in the study of hypertension and cancer.
Targets(IC50)	Calcium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8905 mL	9.4523 mL	18.9047 mL
5 mM	0.3781 mL	1.8905 mL	3.7809 mL
10 mM	0.189 mL	0.9452 mL	1.8905 mL
50 mM	0.0378 mL	0.189 mL	0.3781 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

- Gottwald-Hostalek U, et al. Management of Hypertension With a Fixed-Dose (Single-Pill) Combination of Bisoprolol and Amlodipine. Clin Pharmacol Drug Dev. 2017 Jan;6(1):9-18.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481