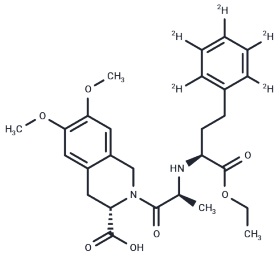
Data Sheet (Cat.No.T70883)

TargetMol

Moexipril-D5

Chemical Properties



CAS No. : 1356929-49-1

Formula: C27H29D5N2O7

Molecular Weight: 503.6

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	Moexipril-D5 is a prodrug form of the angiotensin converting enzyme (ACE) inhibitor moexiprilat. It is converted to moexiprilat in vivo by side chain ester hydrolysis. Moexipril (T63377) inhibits ACE in a cell-free assay (IC50 = 2.7 μM for the rabbit enzyme). It also inhibits phosphodiesterase 4 (IC50s = 38, 160, and 230 μM for PDE4B2, PDE4A5 and PDE4D5, respectively). Moexipril (T63377) (0.1-30 mg/kg per day) reduces blood pressure in spontaneously hypertensive rats.1 It also reduces infarct volume in a rat model of focal cerebral ischemia when used at a concentration of 0.01 mg/kg.
Targets(IC50)	Apoptosis,Angiotensin-converting Enzyme (ACE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9857 mL	9.9285 mL	19.857 mL
5 mM	0.3971 mL	1.9857 mL	3.9714 mL
10 mM	0.1986 mL	0.9929 mL	1.9857 mL
50 mM	0.0397 mL	0.1986 mL	0.3971 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.

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