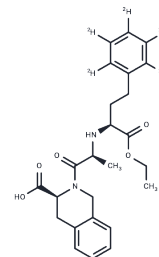


Quinapril-D5

Chemical Properties

CAS No. :	1279029-79-6
Formula:	C ₂₅ H ₂₅ D ₅ N ₂ O ₅
Molecular Weight:	443.55
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	Quinapril-D5 is intended for use as an internal standard for the quantification of quinapril by GC- or LC-MS. Quinapril (T204362) is a prodrug form of the angiotensin converting enzyme (ACE) inhibitor quinaprilat. In vivo, quinapril reduces mean arterial pressure in renal hypertensive and spontaneously hypertensive rats. It inhibits angiotensin I-induced pressor responses in normotensive rats and dogs. Quinapril (T204362) prevents left ventricular heart failure in CHF 14.6 cardiomyopathic hamsters. Formulations containing quinapril have been used in the treatment of hypertension, heart failure, and diabetic nephropathy.
Targets(IC50)	Angiotensin-converting Enzyme (ACE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2545 mL	11.2727 mL	22.5454 mL
5 mM	0.4509 mL	2.2545 mL	4.5091 mL
10 mM	0.2255 mL	1.1273 mL	2.2545 mL
50 mM	0.0451 mL	0.2255 mL	0.4509 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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