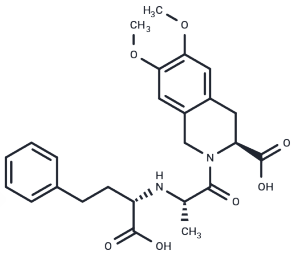
Data Sheet (Cat.No.T83766)

TargetMol

Moexiprilat

Chemical Properties



CAS No. : 103775-14-0

Formula: C25H30N2O7

Molecular Weight: 470.51

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	Moexiprilat, an active metabolite of the prodrug moexipril formed through side chain ester hydrolysis in vivo, functions as an angiotensin-converting enzyme (ACE; IC50 = 2.1 nM) inhibitor. At a concentration of 10 nM, it inhibits the proliferation of primary neonatal rat cardiac fibroblasts stimulated by estrone or angiotensin II. Furthermore, when given at a daily dosage of 50 mg/kg, moexiprilat reduces mean arterial blood pressure and elevates levels of atrial natriuretic peptide, an indicator of hypertension, in ovariectomized mice.
Targets(IC50)	Others,Angiotensin-converting Enzyme (ACE)

Solubility Information

Solubility	Methanol: soluble DMSO: soluble Ethanol: soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1254 mL	10.6268 mL	21.2535 mL
5 mM	0.4251 mL	2.1254 mL	4.2507 mL
10 mM	0.2125 mL	1.0627 mL	2.1254 mL
50 mM	0.0425 mL	0.2125 mL	0.4251 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.

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