

A 74273

## Chemical Properties

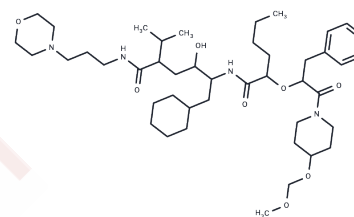
CAS No. : 130316-95-9

Formula: C44H74N4O8

Molecular Weight: 787.08

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	A 74273, a nonpeptidic and renin inhibitor, may be used to treat cardiovascular diseases due to renin inhibition.
Targets(IC50)	RAAS,Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2705 mL	6.3526 mL	12.7052 mL
5 mM	0.2541 mL	1.2705 mL	2.541 mL
10 mM	0.1271 mL	0.6353 mL	1.2705 mL
50 mM	0.0254 mL	0.1271 mL	0.2541 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

Verburg KM, Polakowski JS, Kovar PJ, Klinghofer V, Barlow JL, Stein HH, Mantei RA, Fung AK, Boyd SA, Baker WR, et al. Effects of high doses of A-74273, a novel nonpeptidic and orally bioavailable renin inhibitor. J Cardiovasc Pharmacol. 1993 Jan;21(1):149-55. PubMed PMID: 7678671.

Kleinert HD, Stein HH, Boyd S, Fung AK, Baker WR, Verburg KM, Polakowski JS, Kovar P, Barlow J, Cohen J, et al. Discovery of a well-absorbed, efficacious renin inhibitor, A-74273. Hypertension. 1992 Dec;20(6):768-75. PubMed PMID: 1452292.

Frishman WH, Fozailoff A, Lin C, Dike C. Renin inhibition: a new approach to cardiovascular therapy. J Clin Pharmacol. 1994 Sep;34(9):873-80. Review. PubMed PMID: 7983230.

Wessale JL, Calzadilla SV, Boyd SA, Baker WR, Stein HH, Kovar PJ, Barlow J, Klinghofer V, Mantei R, Kleinert HD. Cardiovascular effects and hemodynamic mechanism of action of the novel, nonpeptidic renin inhibitor A-74273 in dogs. J Cardiovasc Pharmacol. 1993 Oct;22(4):644-52. PubMed PMID: 7505369.

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