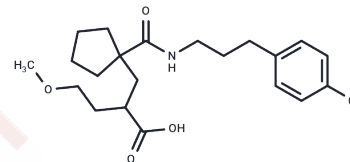


NEP-IN-1

Chemical Properties

CAS No. : 465527-94-0
 Formula: C₂₁H₃₀ClNO₄
 Molecular Weight: 395.92
 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	NEP-IN-1 is an inhibitor of neutral endopeptidase (NEP, IC ₅₀ = 2 nM) and can be used in studies about female sexual arousal disorders.
Targets(IC ₅₀)	Neprilysin

Solubility Information

Solubility	DMSO: 50 mg/mL (126.29 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5258 mL	12.6288 mL	25.2576 mL
5 mM	0.5052 mL	2.5258 mL	5.0515 mL
10 mM	0.2526 mL	1.2629 mL	2.5258 mL
50 mM	0.0505 mL	0.2526 mL	0.5052 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

Pryde DC, et al. Novel selective inhibitors of neutral endopeptidase for the treatment of female sexual arousal disorder. Bioorg Med Chem. 2007 Jan 1;15(1):142-59.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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