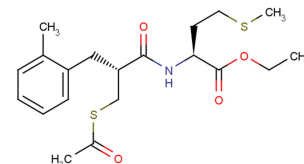


(R)-SCH 42495

## Chemical Properties

CAS No.:	156792-25-5
Formula:	C <sub>20</sub> H <sub>29</sub> NO <sub>4</sub> S <sub>2</sub>
Molecular Weight:	411.58
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	(R)-SCH 42495 is the less active enantiomer of SCH 42495. SCH 42495 is an orally active inhibitor of neutral metalloendopeptidase (NEP), with antihypertensive effect.
Targets(IC <sub>50</sub> )	Others: None
In vitro	NEP is a critical enzyme in the degradation. NEP cleaves atrial natriuretic factors (ANF) in vitro[1].

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.43 mL	12.148 mL	24.297 mL
5 mM	0.486 mL	2.43 mL	4.859 mL
10 mM	0.243 mL	1.215 mL	2.43 mL
50 mM	0.049 mL	0.243 mL	0.486 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

### Reference

- Neustadt BR, et al. Mercaptoacyl amino acid inhibitors of atriopetidase. 1. Structure-activity relationship studies of methionine and S-alkylcysteine derivatives. *J Med Chem.* 1994 Jul 22;37(15):2461-76.
- Watkins RW, et al. Atrial natriuretic factor potentiating and hemodynamic effects of SCH 42495, a new, neutral metalloendopeptidase inhibitor. *Am J Hypertens.* 1993 May;6(5 Pt 1):357-68.

Inhibitors · Natural Compounds · Compound Libraries

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