

RB 101

Chemical Properties

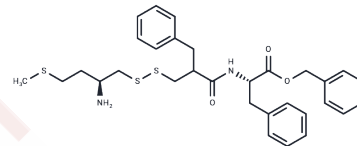
CAS No. : 135949-60-9

Formula: C₃₁H₃₈N₂O₃S₃

Molecular Weight: 582.84

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	RB 101 suppresses enkephalinase and aminopeptidases; biologically cleaved at disulfide to produce inhibitors of both aminopeptidase N and neutral endopeptidase.
Targets(IC50)	Others,Aminopeptidase,Prolyl Endopeptidase (PREP)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7157 mL	8.5787 mL	17.1574 mL
5 mM	0.3431 mL	1.7157 mL	3.4315 mL
10 mM	0.1716 mL	0.8579 mL	1.7157 mL
50 mM	0.0343 mL	0.1716 mL	0.3431 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

- Jayaram A, Singh P, Noreuil T, Fournié-Zaluski MC, Carp HM. RB 101, a purported pro drug inhibitor of enkephalin metabolism, is antinociceptive in pregnant mice. *Anesth Analg*. 1997 Feb;84(2):355-8. PubMed PMID: 9024028.
- Coudoré-Civiale MA, Méen M, Fournié-Zaluski MC, Boucher M, Roques BP, Eschalier A. Enhancement of the effects of a complete inhibitor of enkephalin-catabolizing enzymes, RB 101, by a cholecystokinin-B receptor antagonist in diabetic rats. *Br J Pharmacol*. 2001 May;133(1):179-85. PubMed PMID: 11325808; PubMed Central PMCID: PMC1572770.
- Ruiz F, Fournié-Zaluski MC, Roques BP, Maldonado R. Similar decrease in spontaneous morphine abstinence by methadone and RB 101, an inhibitor of enkephalin catabolism. *Br J Pharmacol*. 1996 Sep;119(1):174-82. PubMed PMID: 8872371; PubMed Central PMCID: PMC1915744.
- Baamonde A, Daugé V, Ruiz-Gayo M, Fulga IG, Turcaud S, Fournié-Zaluski MC, Roques BP. Antidepressant-type effects of endogenous enkephalins protected by systemic RB 101 are mediated by opioid delta and dopamine D1 receptor stimulation. *Eur J Pharmacol*. 1992 Jun 5;216(2):157-66. PubMed PMID: 1327810.

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