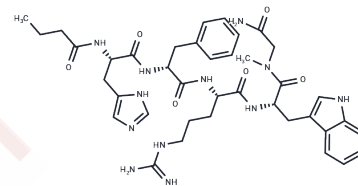


RO27-3225

## Chemical Properties

CAS No. : 274682-89-2  
 Formula: C39H52N12O6  
 Molecular Weight: 784.91  
 Storage: Keep away from moisture  
 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	RO27-3225 is a potent and selective agonist of the melanocortin 4 receptor (MC4R), with EC50 values of 1 nM for MC4R and 8 nM for MC1R. It demonstrates approximately 30-fold selectivity for MC4R over MC3R. RO27-3225 exhibits neuroprotective and anti-inflammatory properties.
Targets(IC50)	Melanocortin Receptor
In vivo	RO27-3225 (0.012-0.048 mg/kg; intravenous; Wistar rats) is effective in reversing hemorrhagic shock, reducing multiple organ damage, and improving survival rates. It may also offer protective benefits against multi-organ failure following circulatory shock.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.274 mL	6.3702 mL	12.7403 mL
5 mM	0.2548 mL	1.274 mL	2.5481 mL
10 mM	0.1274 mL	0.637 mL	1.274 mL
50 mM	0.0255 mL	0.1274 mL	0.2548 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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