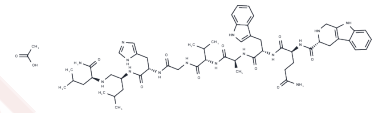


## RC-3095 acetate

## Chemical Properties

CAS No. :	162666-31-1
Formula:	C58H83N15O11
Molecular Weight:	1166.396
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	RC-3095 acetate is an antagonist of bombesin/gastrin-releasing peptide receptor (GRPR). It exerts protective effects by reducing gastric oxidative injury in the arthritic mice.
Targets(IC50)	Others
In vivo	RC-3095 impairs aversive but not recognition memory in Wistar male rats [1]. RC-3095 (0.3 mg/kg or 1 mg/kg; S.C.) shows anti-inflammatory effects in 2 experimental models of arthritis, collagen-induced arthritis, and antigen-induced arthritis. Arthritic mice treated with RC-3095 show a significant reduction in the concentrations of IL-1, IL-17, and TNF, and showed a diminished expression of GRPR [2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8573 mL	4.2867 mL	8.5734 mL
5 mM	0.1715 mL	0.8573 mL	1.7147 mL
10 mM	0.0857 mL	0.4287 mL	0.8573 mL
50 mM	0.0171 mL	0.0857 mL	0.1715 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

Roesler R, et al. RC-3095, a bombesin/gastrin-releasing peptide receptor antagonist, impairs aversive but not recognition memory in rats. *Eur J Pharmacol.* 2004 Feb 13;486(1):35-41.

Oliveira PG, et al. Protective effect of RC-3095, an antagonist of the gastrin-releasing peptide receptor, in experimental arthritis. Protective effect of RC-3095, an antagonist of the gastrin-releasing peptide receptor, in experimental arthritis. *Arthritis Rheum.* 2011 Oct;63(10):2956-65.

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