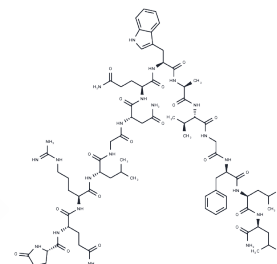


[D-Phe12,Leu14]-Bombesin

Chemical Properties

CAS No. :	108437-88-3
Formula:	C77H113F3N22O20
Molecular Weight:	1724.9
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	Bombesin receptor antagonist that inhibits bombesin binding to rat brain with an IC50 value of 2 μ M. Inhibits amylase release in vitro (IC50 = 4 μ M) and attenuates bombesin-mediated suppression of food intake in vivo.
Targets(IC50)	Bombesin Receptor

Solubility Information

Solubility	H2O: 10 mg/mL (5.8 mM), Sonication is recommended. ($<$ 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5797 mL	2.8987 mL	5.7974 mL
5 mM	0.1159 mL	0.5797 mL	1.1595 mL
10 mM	0.058 mL	0.2899 mL	0.5797 mL
50 mM	0.0116 mL	0.058 mL	0.1159 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

Heinz-Erian et al (1987) [d-Phe¹²]bombesin analogues: a new class of bombesin receptor antagonists. Am.J. Physiol. 252 G439 PMID:

Merali et al (1988) (d-Phe¹²) bombesin and substance P analogues function as central bombesin receptor antagonists. Synapse 2 282 PMID:

Flynn (1997) Bombesin receptor antagonists block the effects of exogenous bombesin but not of nutrients on food intake. Physiol.Behav. 62 791 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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