

BA 1

Chemical Properties

CAS No. :	183241-31-8	
Formula:	C57H76N14O11	
Molecular Weight:	1133.32	YQWAV{Bal}HF{Nle}-NH ₂
Appearance:	no data available	
Storage:	keep away from moisture	
	Powder: -20°C for 3 years In solvent: -80°C for 1 year	

Biological Description

Description	Potent bombesin receptor agonist (IC50 values are 0.26, 1.55 and 2.52 nM for BB1, BB2 and BB3 respectively). Enhances glucose transport in obese and diabetic primary myocytes. Also stimulates NCI-H1299 lung cancer cell proliferation in vitro.
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Solubility Information

Solubility	H2O: 2 mg/mL, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8824 mL	4.4118 mL	8.8236 mL
5 mM	0.1765 mL	0.8824 mL	1.7647 mL
10 mM	0.0882 mL	0.4412 mL	0.8824 mL
50 mM	0.0176 mL	0.0882 mL	0.1765 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.

Reference

González et al (2015) Effect of bombesin receptor subtype-3 and its synthetic agonist on signaling, glucose transport and metabolism in myocytes from patients with obesity and type 2 diabetes Int.J.Mol.Med. 35 925 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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