

## [D-Cys6,Asn7,D-Ala11,Cys14]-Bombesin (6-14)

## Chemical Properties

CAS No. :	349657-39-2
Formula:	C44H64N14O10S2
Molecular Weight:	1013.2
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	[D-Cys6,Asn7,D-Ala11,Cys14]-Bombesin (6-14) is a synthetic peptide that functions as a non-selective bombesin receptor agonist. It exhibits pEC50 values of 8.06 for neuromedin B-preferential bombesin receptor (BB1), 8.69 for gastrin-releasing peptide-preferential bombesin receptor (BB2), and 6.71 for the orphan receptor (BB3). This compound is utilized in studies related to bombesin receptor-associated conditions, including cancer and neurological disorders.
Targets(IC50)	Bombesin Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.987 mL	4.9349 mL	9.8697 mL
5 mM	0.1974 mL	0.987 mL	1.9739 mL
10 mM	0.0987 mL	0.4935 mL	0.987 mL
50 mM	0.0197 mL	0.0987 mL	0.1974 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.

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