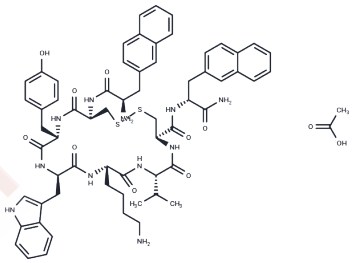
# Data Sheet (Cat.No.T21661L)

TargetMol

## BIM 23042 Acetate

### Chemical Properties



CAS No. :

Formula: C65H77N11O11S2

Molecular Weight: 1252.5

Storage: 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 | BIM 23042 Acetate [D-Nal-Cys-Tyr- D-Trp-Lys-Val-Cys-Nal-NH2] is a selective antagonist of neuromedin B. |
| Targets(IC50) | Others |
| In vitro | BIM 23042 competitively inhibited neuromedin B-induced endpoint in huNMBR cells. BIM 23042 has a l00-fold greater affinity for BB1 receptors than BB2 receptors. |

### Solubility Information

| | |
|---|---|
| Solubility | DMSO: 65 mg/mL (51.9 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 0.7984 mL | 3.992 mL | 7.984 mL |
| 5 mM | 0.1597 mL | 0.7984 mL | 1.5968 mL |
| 10 mM | 0.0798 mL | 0.3992 mL | 0.7984 mL |
| 50 mM | 0.016 mL | 0.0798 mL | 0.1597 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

Ryan RR, Taylor JE, Daniel JL, Cowan A. Pharmacological profiles of two bombesin analogues in cells transfected with human neuromedin B receptors. Eur J Pharmacol. 1996 Jun 13;306(1-3):307-14.

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