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**Product Data Sheet**


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Product Name: BA 1  
 Cat. No.: GC50215

**Chemical Properties**

Cas. No. 183241-31-8

SMILES [H]N[C@H](CC1=CC=C(O)C=C1)C(=O)N[C@@H](CCC(N)=O)C(=O)N[C@@H](CC1=CNC2=C1C=CC=C2)C(=O)N[C@@H](C)C(=O)N[C@@H](C(C)C)C(=O)N[C@@H](C)C(=O)N[C@@H](CC1=CNC=N1)C(=O)N[C@@H](CC1=CC=CC=C1)C(=O)N[C@@H](CCCC)C(N)=O

Formula C<sub>57</sub>H<sub>76</sub>N<sub>14</sub>O<sub>11</sub> M.Wt 1133.32

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

**Background**

Potent bombesin receptor agonist (IC<sub>50</sub> 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.

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:25653074 |Moody et al (2015) ML-18 is a non-peptide bombesin receptor subtype-3 antagonist which inhibits lung cancer growth. Peptides 64 55 PMID:25554218 |Moreno et al (2013) Comparative pharmacology of bombesin receptor subtype-3, nonpeptide agonist MK-5046, a universal peptide agonist, and peptide antagonist Bantag-1 for human bombesin receptors. J.Pharmacol.Exp.Ther. 347 100 PMID:23892571 |Mantey et al (1997) Discovery of a high affinity radioligand for the human orphan receptor, bombesin receptor subtype 3, which demonstrates that it has a unique pharmacology compared with other mammalian bombesin receptors. J Biol

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Chem. 272 26062 PMID:9325344

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