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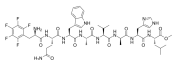
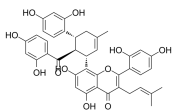
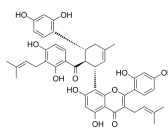
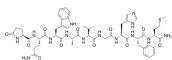
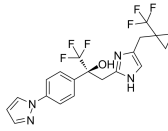
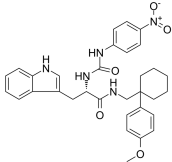
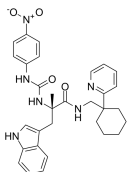
Inhibitors, Screening Libraries, Proteins

Bombesin Receptor

The bombesin (Bn) receptor family includes the gastrin-releasing peptide (GRPR) and neuromedin B (NMBR) receptors, Bn receptor subtype 3 (BRS-3) and Bn receptor subtype 4 (BB₄). Activation of these receptors mediates a wide spectrum of biological activities including important changes in the central nervous system including satiety, control of circadian rhythm, thermoregulation, and in peripheral tissues including stimulation of gastrointestinal hormone release, activation of macrophages, and effects on development. Bn-related peptides also have potent growth effects causing proliferation of both normal cells and various tumor cell lines.

BRS-3 is receiving increased attention, because not only is it important in a number of gastrointestinal (GI) tract and central nervous system (CNS) processes, but also because it is one of the G-protein coupling receptor families most frequently ectopically or overexpressed by a different tumors, including prostate cancer, small cell lung cancer, breast cancer, CNS tumors, and carcinoids (intestinal, thymic, and bronchial).

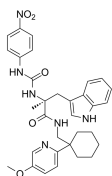
Bombesin Receptor Agonists, Antagonists & Modulators

<p>BA 1</p> <p>Cat. No.: HY-P1423</p> <p>BA 1 is a potent agonist for the bombesin (BB) family of receptors. BA 1 binds with high affinity to Bombesin receptor subtype-3 (BRS3), gastrin releasing peptide receptor (GRPR), neuromedin B receptor (NMBR) with IC_{50}s of 6, 0.4, 2.5 nM.</p> <p>Purity: >98% Clinical Data: No Development Reported Size: 1 mg, 5 mg</p> <p>YQWAV(Bal)HF(Nle)-NH₂</p>	<p>BA 1 TFA</p> <p>Cat. No.: HY-P1423A</p> <p>BA 1 TFA is a potent agonist for the bombesin (BB) family of receptors. BA1 binds with high affinity to Bombesin receptor subtype-3 (BRS3), gastrin releasing peptide receptor (GRPR), neuromedin B receptor (NMBR) with IC_{50}s of 6, 0.4, 2.5 nM.</p> <p>Purity: 99.65% Clinical Data: No Development Reported Size: 5 mg</p> <p>YQWAV(Bal)HF(Nle)-NH₂ (TFA salt)</p>
<p>BIM-26226</p> <p>Cat. No.: HY-P0039</p> <p>BIM-26226, gastrin-releasing peptide, is a potent and selective antagonist of bombesin receptor. BIM-26226 inhibits BN- or GRP-stimulated amylase release with IC_{50}s in the nanomolar range. BIM-26226 can be used for the research of cancer.</p> <p>Purity: >98% Clinical Data: No Development Reported Size: 1 mg, 5 mg</p> 	<p>Bombesin</p> <p>Cat. No.: HY-P0195</p> <p>Bombesin, a tetradecapeptide, plays an important role in the release of gastrin and the activation of G-protein receptors.</p> <p>(Glp)-RLGNQWAVGHLM-NH₂</p> <p>Purity: 99.76% Clinical Data: No Development Reported Size: 1 mg, 5 mg, 10 mg, 25 mg</p>
<p>Kuwanon G</p> <p>Cat. No.: HY-N4247</p> <p>Kuwanon G is a flavonoid isolated from Morus alba, acts as a bombesin receptor antagonist, with potential antimicrobial activity.</p> <p>Purity: ≥95.0% Clinical Data: No Development Reported Size: 5 mg</p> 	<p>Kuwanon H</p> <p>Cat. No.: HY-N2600</p> <p>Kuwanon H is a flavonoid isolated from Morus bombycis, which acts as a potent non-peptide bombesin receptor antagonist. Kuwanon H selectively inhibits binding of gastrin releasing peptide CRP to GRP-preferring receptor, with a K_i value of 290 nM in cells.</p> <p>Purity: 98.60% Clinical Data: No Development Reported Size: 1 mg</p> 
<p>Litorin</p> <p>Cat. No.: HY-103281</p> <p>Litorin, an amphibian bombesin peptide derivative, is an bombesin receptor agonist. Litorin stimulates the contraction of smooth muscle, stimulates gastrin, gastric acid, and pancreatic secretion, and suppresses the nutrient in vivo.</p> <p>Purity: 99.13% Clinical Data: No Development Reported Size: 1 mg, 5 mg, 10 mg</p> 	<p>MK-5046</p> <p>Cat. No.: HY-14342</p> <p>MK-5046 is a novel BRS-3 agonist, binds to BRS-3 with high affinity (mouse K_i = 1.6 nM, human K_i = 25 nM).</p> <p>Purity: 99.67% Clinical Data: No Development Reported Size: 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg</p> 
<p>ML-18</p> <p>Cat. No.: HY-101844</p> <p>ML-18 is a non-peptide bombesin receptor subtype-3 (BRS-3) antagonist with an IC_{50} of 4.8 μM.</p> <p>Purity: 98.84% Clinical Data: No Development Reported Size: 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg</p> 	<p>PD 168368</p> <p>Cat. No.: HY-116216</p> <p>PD 168368 is a potent, competitive, and selective neuromedin B receptor (NMB-R) antagonist with the K_i of 15–45 nM. PD 168368 is neuromedin B receptor (NMBR; IC_{50}=96 nM) / gastrin-releasing peptide receptor (GRPR IC_{50}=3500 nM) antagonist.</p> <p>Purity: ≥97.0% Clinical Data: No Development Reported Size: 1 mg, 5 mg</p> 

PD176252

Cat. No.: HY-103286

PD176252 is a potent antagonist of neuromedin-B preferring (BB_1) and gastrin-releasing peptide-preferring (BB_2) receptor with K_i s of 0.17 nM and 1 nM for human BB_1 and BB_2 receptors, and 0.66 nM, 16 nM for Rat BB_1 and BB_2 receptors, respectively; PD176252 is also...



Purity: 98.17%

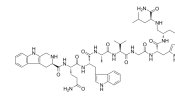
Clinical Data: No Development Reported

Size: 10 mM × 1 mL, 5 mg, 10 mg, 25 mg, 50 mg, 100 mg

RC-3095

Cat. No.: HY-P0107

RC-3095 is a **bombesin/gastrin** releasing peptide receptor (GRPR) antagonist. RC-3095 exerts protective effects by reducing gastric oxidative injury in the arthritic mice.



Purity: >98%

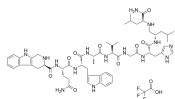
Clinical Data: No Development Reported

Size: 1 mg, 5 mg

RC-3095 TFA

Cat. No.: HY-P0107A

RC-3095 TFA is a selective **bombesin/gastrin** releasing peptide receptor (GRPR) antagonist. RC-3095 TFA exerts protective effects by reducing gastric oxidative injury in the arthritic mice.



Purity: 97.18%

Clinical Data: No Development Reported

Size: 1 mg, 5 mg, 10 mg