

## [Trp3, Arg5]-Ghrelin (1-5)

Catalog #	Source	Reactivity	Applications
CCP1559	Synthetic		
<b>Description</b>	Peptide to [Trp3, Arg5]-Ghrelin (1-5)		
<b>Biological Description</b>	Growth hormone secretagogue (GSH) receptor agonist based on the primary structure of ghrelin (IC50 = 10 μM). (Trp3, Arg5)-Ghrelin (1-5) (GSWFR) stimulated growth hormone secretion after intravenous or oral administration and centrally administered GSWFR increased food intake in non-fasted mice. The orexigenic effect could be inhibited by (D-Lys3)-GHRP-6 and also by the NPY Y1 receptor antagonist BIBO3304 suggesting that GSWFR-induced feeding is mediated by the NPY Y1 receptor.		
<b>Form</b>	Lyophilized powder		
<b>CAS Number</b>	848442-59-1		
<b>Molecular Formula</b>	C31H41N9O7		
<b>Molecular Weight</b>	651.73		
<b>Purity</b>	> 95%		
<b>Chemical Structure</b>	Gly - Ser - Trp - Phe - Arg		
<b>Storage/Stability</b>	Shipped at 4°C. Store at -20°C for one year.		
<b>Structure</b>			

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

### COHESION BIOSCIENCES LIMITED

**WEB**  
[www.cohesionbio.com](http://www.cohesionbio.com)

**ORDER**  
[order@cohesionbio.com](mailto:order@cohesionbio.com)

**SUPPORT**  
[techsupport@cohesionbio.com](mailto:techsupport@cohesionbio.com)

**CUSTOM**  
[custom@cohesionbio.com](mailto:custom@cohesionbio.com)

