

[D-Arg1, D-Phe5, D-Trp7, 9, Leu11]-Substance P

Catalog #	Source	Reactivity	Applications
CCP1720	Synthetic		
Description	Peptide to [D-Arg1, D-Phe5, D-Trp7, 9, Leu11]-Substance P		
Biological Description	[D-Arg1, D-Phe5, D-Trp7, 9, Leu11]-Substance P initially described as a low potency ghrelin receptor antagonist has surprisingly been found to be a full inverse agonist ($EC_{50} = 5.2$ nM). In COS-7 cells transiently transfected with the ghrelin receptor the substance P analog rPKPfQwFwLL decreased the constitutive signaling down to levels observed in untransfected cells. Assuming that constitutive signaling of the ghrelin receptor is of physiological relevance in the regulation of appetite control, inverse agonists of the ghrelin receptor could be interesting for the treatment of obesity.		
Form	Lyophilized powder		
CAS Number	96736-12-8		
Molecular Formula	C79H109N19O12		
Molecular Weight	1516.87		
Purity	> 95%		
Chemical Structure	D - Arg - Pro - Lys - Pro - D - Phe - Gln - D - Trp - Phe - D - Trp - Leu - Leu - NH ₂		
Storage/Stability	Shipped at 4°C. Store at -20°C for one year.		
Structure			

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

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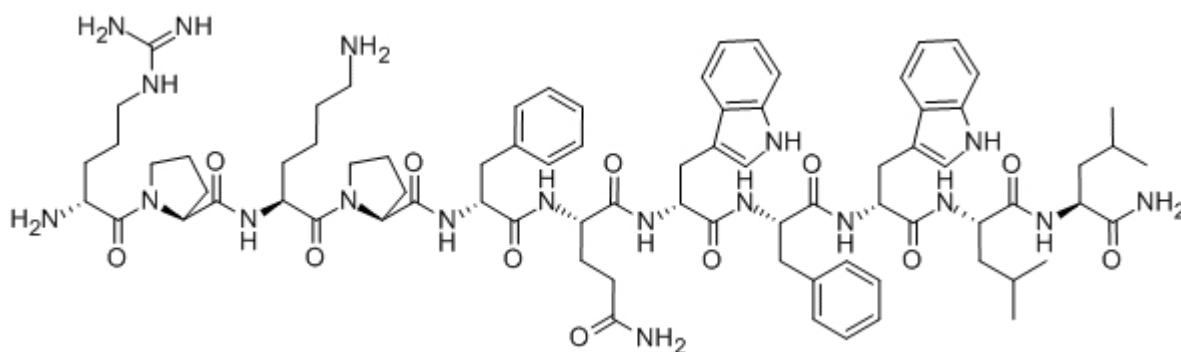
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Product Data Sheet



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