

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

[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 ($EC_{50} = 5.2 \text{ nM}$). 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.

Catalog No.	5991720
Size	
Product Category	Catalog Peptide
Sequence	D-Arg-Pro-Lys-Pro-D-Phe-Gln-D-Trp-Phe-D-Trp-Leu-Leu-NH ₂
CAS No.	96736-12-8
Mol. Formula	C ₇₉ H ₁₀₉ N ₁₉ O ₁₂
Mol. Weight	1516.87
Purity	> 95%
MOQ	1 mg
Storage/Stability	-20°C/1 year
Shipping	Gel Packs