

[Ala11,D-Leu15]-Orexin B(human)

Cat. No.:	HY-P1340
CAS No.:	532932-99-3
Molecular Formula:	C ₁₂₀ H ₂₀₆ N ₄₄ O ₃₅ S
Molecular Weight:	2857.26
Sequence:	Arg-Ser-Gly-Pro-Pro-Gly-Leu-Gln-Gly-Arg-Ala-Gln-Arg-Leu-Leu-Gln-Ala-Ser-Gly -Asn-His-Ala-Ala-Gly-Ile-Leu-Thr-Met-NH ₂
Sequence Shortening:	RSGPPGLQGRAQRLQASGNHAAGILTM-NH ₂
Target:	Orexin Receptor (OX Receptor)
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the COA.

BIOLOGICAL ACTIVITY

Description	[Ala11,D-Leu15]-Orexin B(human) is a potent and selective orexin-2 receptor (OX2) agonist. [Ala11,D-Leu15]-Orexin B(human) shows a 400-fold selectivity for the OX2 (EC ₅₀ =0.13 nM) over OX1 (52 nM) ^[1] .	
IC ₅₀ & Target	OX2 0.13 nM (EC50)	OX1 52 nM (EC50)

REFERENCES

[1]. Asahi S, et al. Development of an orexin-2 receptor selective agonist, [Ala(11), D-Leu(15)]orexin-B. *Bioorg Med Chem Lett.* 2003;13(1):111-113.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA