

OXA(17-33)

Cat. No.:	HY-P1341
CAS No.:	343268-91-7
Molecular Formula:	C ₇₉ H ₁₂₅ N ₂₃ O ₂₂
Molecular Weight:	1748.98
Sequence:	Tyr-Glu-Leu-Leu-His-Gly-Ala-Gly-Asn-His-Ala-Ala-Gly-Ile-Leu-Thr-Leu-NH ₂
Sequence Shortening:	YELHAGAGNHAAGILTL-NH ₂
Target:	Orexin Receptor (OX Receptor)
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

BIOLOGICAL ACTIVITY

Description	OXA(17-33) is a potent and selective orexin-1 receptor (OX1) agonist. OXA(17-33) shows a -23-fold selectivity for the OX1 (EC ₅₀ =8.29 nM) over OX2 (187 nM) ^[1] .	
IC ₅₀ & Target	OX1 8.29 nM (EC50)	OX2 187 nM (EC50)

REFERENCES

[1]. German NA, et al. Truncated Orexin Peptides: Structure-Activity Relationship Studies. ACS Med Chem Lett. 2013;4(12):1224-1227.

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

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