

OXA(17-33) TFA

Cat. No.:	HY-P1341A
Molecular Formula:	C ₈₁ H ₁₂₆ F ₃ N ₂₃ O ₂₄
Molecular Weight:	1863
Sequence:	Tyr-Glu-Leu-Leu-His-Gly-Ala-Gly-Asn-His-Ala-Ala-Gly-Ile-Leu-Thr-Leu-NH ₂
Sequence Shortening:	YELLHGAGNHAAGILT-L-NH ₂
Target:	Orexin Receptor (OX Receptor)
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	OXA(17-33) TFA is a potent and selective orexin-1 receptor (OX1) agonist. OXA(17-33) TFA 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 (EC ₅₀)	OX2 187 nM (EC ₅₀)

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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