

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

Cat. No.:	HY-P1340A
Molecular Formula:	C <sub>122</sub> H <sub>207</sub> F <sub>3</sub> N <sub>44</sub> O <sub>37</sub> S
Molecular Weight:	2971.28
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 <sub>2</sub>
Sequence Shortening:	RSGPPGLQGRAQRLLQASGNHAAGILTM-NH <sub>2</sub>
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) TFA is a potent and selective <b>orexin-2 receptor (OX2)</b> agonist. [Ala11,D-Leu15]-Orexin B(human) TFA shows a 400-fold selectivity for the OX2 (EC <sub>50</sub> =0.13 nM) over OX1 (52 nM) <sup>[1]</sup> .	
IC <sub>50</sub> & Target	OX2 0.13 (EC50)	OX1 52 (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.**

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