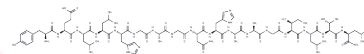


OXA(17-33)

Chemical Properties

CAS No. : 343268-91-7
 Formula: C79H125N23O22
 Molecular Weight: 1749
 Storage: Keep away from moisture
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	Potent and selective peptide orexin OX1 receptor agonist (EC50 values are 8.29 and 187 nM for OX1 and OX2 receptors respectively). Truncated form of orexin A.
Targets(IC50)	OX Receptor

Solubility Information

Solubility H2O: 1 mg/mL (0.57 mM), Sonication is recommended.
 (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5718 mL	2.8588 mL	5.7176 mL
5 mM	0.1144 mL	0.5718 mL	1.1435 mL
10 mM	0.0572 mL	0.2859 mL	0.5718 mL
50 mM	0.0114 mL	0.0572 mL	0.1144 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Darker et al (2001) Structure-activity analysis of truncated orexin-A analogues at the orexin-1 receptor. Bioorg. Med.Chem.Lett. 11 737 PMID:

Wang H N, Ji K, Zhang L N, et al. Inhibition of c-Fos expression attenuates IgE-mediated mast cell activation and allergic inflammation by counteracting an inhibitory AP1/Egr1/IL-4 axis. Journal of translational medicine. 2021 Jun 15;19(1):261. doi: 10.1186/s12967-021-02932-0.

German et al (2013) Truncated orexin peptides: structure-activity relationship studies. Med.Chem.Lett. 4 1224 PMID:

Wang H N, Ji K, Zhang L N, et al. Inhibition of c-Fos expression attenuates IgE-mediated mast cell activation and allergic inflammation by counteracting an inhibitory AP1/Egr1/IL-4 axis[[]]. 2021

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