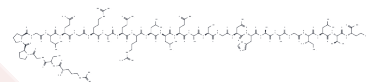


[Ala11,D-Leu15]-Orexin B(human)

Chemical Properties

CAS No. :	532932-99-3
Formula:	C120H206N44O35S
Molecular Weight:	2857.28
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Highly potent and selective OX2 receptor agonist; displays 400-fold selectivity over OX1 receptors. EC50 values are 0.13 and 52 nM for human OX2 and OX1 receptors respectively.
Targets(IC50)	OX Receptor

Solubility Information

Solubility	H2O: 0.3 mg/mL (0.1 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.350 mL	1.7499 mL	3.4998 mL
5 mM	0.070 mL	0.350 mL	0.700 mL
10 mM	0.035 mL	0.175 mL	0.350 mL
50 mM	0.007 mL	0.035 mL	0.070 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

Asahi et al (2003) Development of an orexin-2 receptor selective agonist, [Ala11D-Leu15]orexin-B. Bioorg.Med. Chem.Lett. 13 111 PMID:

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