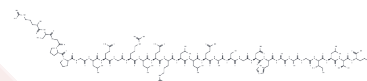


## Orexin B, human

## Chemical Properties

CAS No. :	205640-91-1
Formula:	C123H212N44O35S
Molecular Weight:	2899.34
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	Orexin B, human, is an endogenous agonist at Orexin receptors with $K_i$ values of 420 nM for OX1 and 36 nM for OX2, respectively. Orexin B is a hypothalamic neuropeptide that stimulates food intake in rats.
Targets(IC50)	OX Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3449 mL	1.7245 mL	3.4491 mL
5 mM	0.069 mL	0.3449 mL	0.6898 mL
10 mM	0.0345 mL	0.1725 mL	0.3449 mL
50 mM	0.0069 mL	0.0345 mL	0.069 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

Smart D, et al. Orexins: a new family of neuropeptides. Br J Anaesth. 1999 Nov;83(5):695-7.

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