

## Orexin B, human TFA (205640-91-1 free base)

## Chemical Properties

CAS No. :

Formula: C123H212N44O35S.C2HF3O2

Molecular Weight: 3013.36

Keep away from moisture

Storage: 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	Orexin B, human (TFA) is an endogenous agonist at Orexin receptor with Kis of 420 and 36 nM for OX1 and OX2.
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## Solubility Information

Solubility	H2O: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3319 mL	1.6593 mL	3.3186 mL
5 mM	0.0664 mL	0.3319 mL	0.6637 mL
10 mM	0.0332 mL	0.1659 mL	0.3319 mL
50 mM	0.0066 mL	0.0332 mL	0.0664 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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