

## Orexin A (human, rat, mouse) (TFA)

## Chemical Properties

CAS No. :

Formula: C154H244N47F3O46S4

Molecular Weight: 3675.12

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	Endogenous agonist at orexin receptors (Ki values are 20 and 38 nM for OX1 and OX2 receptors respectively). Stimulates feeding following central administration and may be involved in the control of sleep-wake cycle and other hypothalamic functions.
Targets(IC50)	OX Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2721 mL	1.3605 mL	2.721 mL
5 mM	0.0544 mL	0.2721 mL	0.5442 mL
10 mM	0.0272 mL	0.136 mL	0.2721 mL
50 mM	0.0054 mL	0.0272 mL	0.0544 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

Sakurai T, et al. Orexins and orexin receptors: a family of hypothalamic neuropeptides and G protein-coupled receptors that regulate feeding behavior. Cell. 1998 Feb 20;92(4):573-85.

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