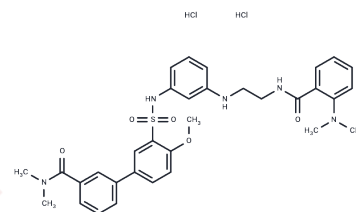


YNT-185 dihydrochloride

Chemical Properties

CAS No. :	1804978-82-2
Formula:	C33H39Cl2N5O5S
Molecular Weight:	688.67
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Potent and selective orexin OX2 receptor agonist (EC50 = 28 nM at human OX2 expressed in CHO cells). Displays approximately 100-fold selectivity for OX2 over OX1 (EC50 = 2.75 μM at human OX1 expressed in CHO cells). Depolarizes OX2-expressing histaminergic neurons in mouse brain slices. Increases wake time in wild type mice. Suppresses cataplexy-like symptoms in OX knockout mice.
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Solubility Information

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

	1mg	5mg	10mg
1 mM	1.4521 mL	7.2604 mL	14.5207 mL
5 mM	0.2904 mL	1.4521 mL	2.9041 mL
10 mM	0.1452 mL	0.726 mL	1.4521 mL
50 mM	0.029 mL	0.1452 mL	0.2904 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.

Reference

Nagahara et al (2015) Design and synthesis of non-peptide, selective orexin receptor 2 agonists. J.Med.Chem. 58 7931 PMID:26267383

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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