

Suvorexant Biochemical

Suvorexant

CATALOG #
AAA201890

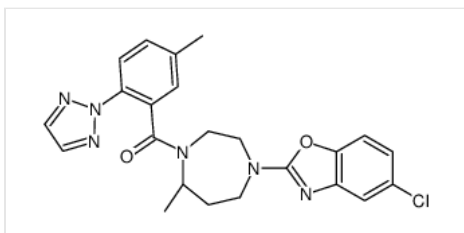
PRODUCT SYNONYMS

Suvorexant; MK-4305; Suvorexant biochemical

PRODUCT SPECIFICATIONS

Purity/Purification	>98% (HPLC)
Suitability	10mM in DMSO
Target	Orexin Receptor
Receptor	Orexin Receptor
Chemical Name	(R)-(4-(5-chlorobenzo[d]oxazol-2-yl)-7-methyl-1, 4-diazepan-1-yl)(5-methyl-2-(2H-1, 2, 3-triazol-2-yl)phenyl)methanone
SMILES	<chem>O=C(N1CCN(C2=NC3=CC(Cl)=CC=C3O2)CC[C@H]1C)C4=CC(C)=CC=C4N5N=CC=N5</chem>
Molecular Formula	C23H23ClN6O2
CAS Number	1030377-33-3
Preparation and Storage	Store at -20 degree C Stability: >=2 years Shipping: Ice Pack

IMAGES



Structure

ADDITIONAL INFORMATION

Related Product Information for Suvorexant biochemical	A potent, CNS penetrant, orally available, dual orexin receptor antagonist with Ki of 0.55 and 0.35nM for OX1R and OX2R, respectively; significantly and dose-dependently reduces locomotor activity and promotes sleep in rats. Sleep Disorder Launched
Product Categories/Family for Suvorexant biochemical	Sleep Disorder; GPCR/G Protein; Neurological Disease
References	1. Cox CD, et al. J Med Chem. 2010 Jul 22; 53 (14):5320-32. 2. Winrow CJ, et al. J Neurogenet. 2011 Mar; 25 (1-2):52-61. 3. Sun H, et al. Sleep. 2013 Feb 1; 36 (2):259-67. 4. Hopkins CR. ACS Chem Neurosci. 2012 Sep 19; 3 (9):647-8.

NCBI AND UNIPROT INFORMATION

Molecular Weight	450.92
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/suvorexant/201890>