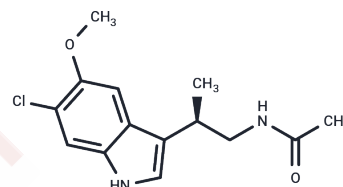


TIK-301

Chemical Properties

CAS No. : 118702-11-7
 Formula: C₁₄H₁₇ClN₂O₂
 Molecular Weight: 280.75
 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	TIK-301 is a chlorinated melatonin derivative and a potent, high-affinity, and orally active melatonin MT1 and MT2 receptors agonist (K _i s: 0.081 nM and 0.042 nM, respectively). TIK-301 is also a 5-HT _{2B} /5-HT _{2C} receptor antagonist with antidepressant action. TIK-301 has the potential for sleep disorders and other circadian rhythm disorders treatment.
Targets(IC50)	Melatonin Receptor,5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5619 mL	17.8094 mL	35.6189 mL
5 mM	0.7124 mL	3.5619 mL	7.1238 mL
10 mM	0.3562 mL	1.7809 mL	3.5619 mL
50 mM	0.0712 mL	0.3562 mL	0.7124 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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