

Product Datasheet

2-Iodomelatonin (orb2901849)

Catalog Number	orb2901849
Category	Small Molecules
Description	2-Iodomelatonin is a potent agonist of melatonin receptor 1 (MT1) with a K_i value of 28 pM, it is more 5-fold selective for MT1 over MT2. 2-iodomelatonin can be used to identify, characterize and localize melatonin binding sites in the brain and peripheral tissues.
Target	Melatonin Receptor
Purity	>98% (HPLC)
MW	358.17
Target Areas	Melatonin Receptor
Solubility (25°C)	In Vitro: DMF : 30 mg/mL (83.76 mM) DMSO: 30 mg/mL (83.76 mM) Ethanol : 20 mg/mL (55.84 mM)
CAS Number	93515-00-5
Formula	$C_{13}H_{15}IN_2O_2$
SMILES	<chem>COc1ccc2[nH]c(I)c(CCNC(C)=O)c2c1</chem>
Storage	Storage temperature: -20°C. Stability: \geq 2 years
Note	For research use only
Expiration Date	12 months from date of receipt.

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