

Product Datasheet

2-Iodomelatonin (orb1710608)

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| Catalog Number | orb1710608 |
| Category | Small Molecules |
| Description | 2-Iodomelatonin is a high-affinity, MT1-selective melatonin receptor agonist (K _i = 28 pM; 5-fold MT1/MT2 selectivity). It is extensively used as a radioligand in both in vitro and in vivo studies to map and characterize melatonin binding sites within central and peripheral nervous systems. |
| Target | Melatonin Receptor |
| Purity | 99.70% |
| MW | 358.17 |
| Target Areas | Melatonin Receptor |
| Solubility (25°C) | DMSO:55 mg/mL (153.56 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (5.58 mM) |
| CAS Number | 93515-00-5 |
| Formula | C ₁₃ H ₁₅ IN ₂ O ₂ |
| SMILES | COc1ccc2[nH]c(I)c(CCNC(C)=O)c2c1 |
| Storage | Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature. |
| Note | For research use only |
| Expiration Date | 12 months from date of receipt. |

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