

Tasimelteon-D5

Chemical Properties

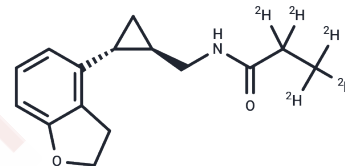
CAS No. : 1962124-51-1

Formula: C₁₅H₁₄D₅NO₂

Molecular Weight: 250.35

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 | Tasimelteon-D5 is intended for use as an internal standard for the quantification of tasimelteon by GC- or LC-MS. Tasimelteon (T3495) is a melatonin (MT) receptor agonist. It selectively binds MT1 and MT2 receptors over a panel of 160 additional receptors and enzymes at 10 μM. Tasimelteon (T3495) inhibits forskolin-induced cAMP accumulation with EC50 values of 0.79 and 1 nM in NIH3T3 cells expressing the MT1 or MT2 receptor, respectively. Formulations containing tasimelteon have been used in the treatment of non-24-hour sleep-wake disorder. |
| Targets(IC50) | Melatonin Receptor |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 3.9944 mL | 19.972 mL | 39.9441 mL |
| 5 mM | 0.7989 mL | 3.9944 mL | 7.9888 mL |
| 10 mM | 0.3994 mL | 1.9972 mL | 3.9944 mL |
| 50 mM | 0.0799 mL | 0.3994 mL | 0.7989 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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