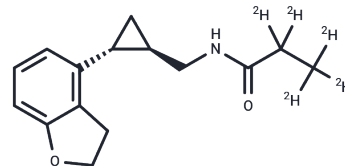


Tasimelteon-d5

Chemical Properties

CAS No. :	1962124-51-1
Formula:	C ₁₅ H ₁₄ D ₅ NO ₂
Molecular Weight:	250.35
Appearance:	no data available
Storage:	Powder -20°C for 3 years In solvent -80°C for 2 years



Biological Description

Description	Tasimelteon-d5 is intended for use as an internal standard for the quantification of tasimelteon by GC- or LC-MS. Tasimelteon 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 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.
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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.

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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