

## Ramelteon-D3

## Chemical Properties

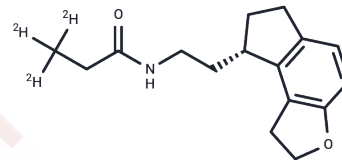
CAS No. :

Formula: C<sub>16</sub>H<sub>18</sub>D<sub>3</sub>NO<sub>2</sub>

Molecular Weight: 262.36

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

Ramelteon-D3 is a deuterated compound of Ramelteon. Ramelteon (T1463) has a CAS number of 196597-26-9. Ramelteon (T1463) is a Melatonin Receptor Agonist. The mechanism of action of ramelteon is as a Melatonin Receptor Agonist.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8116 mL	19.0578 mL	38.1156 mL
5 mM	0.7623 mL	3.8116 mL	7.6231 mL
10 mM	0.3812 mL	1.9058 mL	3.8116 mL
50 mM	0.0762 mL	0.3812 mL	0.7623 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.

## Reference

1. Kato K, et al. Neuropharmacology, 2005, 48(2), 301-310.

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