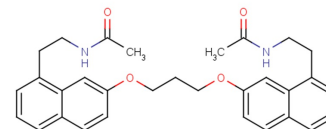


S26131

## Chemical Properties

CAS No.: 296280-56-3  
Formula: C<sub>31</sub>H<sub>34</sub>N<sub>2</sub>O<sub>4</sub>  
Molecular Weight: 498.61  
Appearance: N/A  
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	S26131 is an effective and selective MT1 melatoninerigic ligand (K <sub>i</sub> : 0.5 and 112 nM for MT1 and MT2, respectively). S26131 behaves as an MT1 and MT2 antagonist.
Targets(IC <sub>50</sub> )	Others: None
In vitro	S26131 behaves as an antagonist on MT1 and MT2 receptors (K <sub>B</sub> : 5.32 and 143 nM, respectively) [1].

## Solubility Information

Solubility	DMSO: 5 mg/mL (10.03 mM) ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.006 mL	10.028 mL	20.056 mL
5 mM	0.401 mL	2.006 mL	4.011 mL
10 mM	0.201 mL	1.003 mL	2.006 mL
50 mM	0.04 mL	0.201 mL	0.401 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

### Reference

1. Descamps-François C, et al. Design and synthesis of naphthalenic dimers as selective MT1 melatoninerigic ligands. J Med Chem. 2003 Mar 27;46(7):1127-9.

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