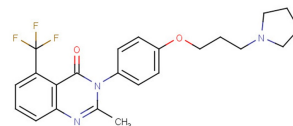


MK-0249

**Chemical Properties**

CAS No.: 862309-06-6  
Formula: C<sub>23</sub>H<sub>24</sub>F<sub>3</sub>N<sub>3</sub>O<sub>2</sub>  
Molecular Weight: 431.45  
Appearance: N/A  
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	MK-0249 is a potent antagonist of histamine H <sub>3</sub> receptor (human H <sub>3</sub> , K <sub>i</sub> : 1.7 nM).
Targets(IC <sub>50</sub> )	Human H <sub>3</sub> (k <sub>i</sub> ): k <sub>i</sub> :1.7 nM

**Solubility Information**

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.318 mL	11.589 mL	23.178 mL
5 mM	0.464 mL	2.318 mL	4.636 mL
10 mM	0.232 mL	1.159 mL	2.318 mL
50 mM	0.046 mL	0.232 mL	0.464 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. Brioni JD, et al. Discovery of histamine H<sub>3</sub> antagonists for the treatment of cognitive disorders and Alzheimer's disease. J Pharmacol Exp Ther. 2011 Jan;336(1):38-46.

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