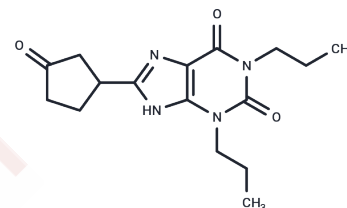


KFM19

## Chemical Properties

CAS No. : 133058-72-7  
 Formula: C<sub>16</sub>H<sub>22</sub>N<sub>4</sub>O<sub>3</sub>  
 Molecular Weight: 318.37  
 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	KFM19 is a potent and selective adenosine receptor (A <sub>1</sub> -receptor) antagonist (IC <sub>50</sub> : 50 nM) for the study of neurological disorders.
Targets(IC <sub>50</sub> )	Adenosine Receptor

## Solubility Information

Solubility	DMSO: 80 mg/mL (251.28 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.141 mL	15.705 mL	31.410 mL
5 mM	0.6282 mL	3.141 mL	6.282 mL
10 mM	0.3141 mL	1.5705 mL	3.141 mL
50 mM	0.0628 mL	0.3141 mL	0.6282 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

W.D. Bechtel, et al. KFM 19 antagonizes the adenosine-induced inhibition of electrically evoked acetylcholine release. Eur Neuropsychopharmacol. Sep. 1993, 3(3), Page 433

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481