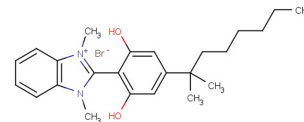


AM9405

## Chemical Properties

CAS No.:	T10294
Formula:	C <sub>24</sub> H <sub>33</sub> BrN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	461.44
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	AM9405 is a novel peripherally active cannabinoid type 1 (CB1) and serotonin type 3 receptor agonist. It inhibits twitch contraction of the ileum and the colon (IC <sub>50</sub> s: 45.71 and 0.076 nM).
Targets(IC <sub>50</sub> )	CB1: 45.71 nM 5-HT <sub>3</sub> Receptor: 0.076 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	2.167 mL	10.836 mL	21.671 mL
5 mM	0.433 mL	2.167 mL	4.334 mL
10 mM	0.217 mL	1.084 mL	2.167 mL
50 mM	0.043 mL	0.217 mL	0.433 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. Salaga M, et al. The novel peripherally active cannabinoid type 1 and serotonin type 3 receptor agonist AM9405 inhibits gastrointestinal motility and reduces abdominal pain in mouse models mimicking irritable bowel syndrome. Eur J Pharmacol. 2018 Oct 5;836:34-43.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481