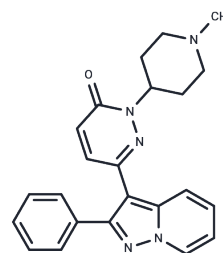


FR-194921

Chemical Properties

CAS No. : 202646-80-8
Formula: C₂₃H₂₃N₅O
Molecular Weight: 385.46
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	FR-194921 is a potent, selective, and orally active antagonist for central adenosine A1 receptors with cognitive-enhancing and anxiolytic activity. FR194921 has same binding affinity profile among human, rat, and mouse.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5943 mL	12.9715 mL	25.943 mL
5 mM	0.5189 mL	2.5943 mL	5.1886 mL
10 mM	0.2594 mL	1.2972 mL	2.5943 mL
50 mM	0.0519 mL	0.2594 mL	0.5189 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.

Reference

Matsuya T, Takamatsu H, Murakami Y, Noda A, Ichise R, Awaga Y, Nishimura S. Synthesis and evaluation of [¹¹C] FR194921 as a nonxanthine-type PET tracer for adenosine A1 receptors in the brain. Nucl Med Biol. 2005 Nov;32

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