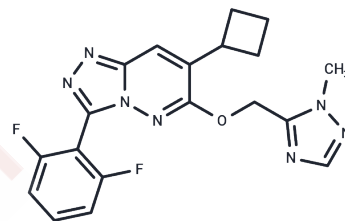


MK-0343

Chemical Properties

CAS No. : 233275-76-8
 Formula: C₁₉H₁₇F₂N₇O
 Molecular Weight: 397.38
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	MK0343 is an orally bioavailable GABAA receptor subtype-selective partial agonist and is a non-sedating anxiolytic.
Targets(IC50)	Others
In vivo	MK0343 efficiently penetrates the rat brain, occupying the benzodiazepine site of GABAA receptors, as measured by an in vivo [3H]flumazenil binding assay. Its Occ50 is 2.2 mg/kg p.o., with a corresponding plasma EC50 of 115 ng/mL.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5165 mL	12.5824 mL	25.1648 mL
5 mM	0.5033 mL	2.5165 mL	5.033 mL
10 mM	0.2516 mL	1.2582 mL	2.5165 mL
50 mM	0.0503 mL	0.2516 mL	0.5033 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

Atack JR, et al. MRK-409 (MK-0343), a GABAA receptor subtype-selective partial agonist, is a non-sedating anxiolytic in preclinical species but causes sedation in humans. J Psychopharmacol. 2011 Mar;25(3):314-28.

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