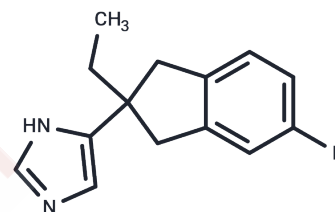


Fipamezole

Chemical Properties

CAS No. :	150586-58-6
Formula:	C ₁₄ H ₁₅ N ₂
Molecular Weight:	230.28
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	Fipamezole is a potent alpha2 adrenergic receptor antagonist that may be useful for studying autonomic dysfunction in Parkinson's disease.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	DMSO: 55 mg/mL (238.84 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	4.3425 mL	21.7127 mL	43.4254 mL
5 mM	0.8685 mL	4.3425 mL	8.6851 mL
10 mM	0.4343 mL	2.1713 mL	4.3425 mL
50 mM	0.0869 mL	0.4343 mL	0.8685 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

Savola JM, et al. Fipamezole (JP-1730) is a potent alpha2 adrenergic receptor antagonist that reduces levodopa-induced dyskinesia in the MPTP-lesioned primate model of Parkinson's disease. *Mov Disord*. 2003 Aug;18(8):872-83.

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Fox SH. Non-dopaminergic treatments for motor control in Parkinson's disease. *Drugs*. 2013 Sep;73(13):1405-15. doi: 10.1007/s40265-013-0105-4. Review. Erratum in: *Drugs*. 2014 Jul;74(11):1305. PubMed PMID: 23917951.

Perez-Lloret S, Rey MV, Pavy-Le Traon A, Rascol O. Emerging drugs for autonomic dysfunction in Parkinson's disease. *Expert Opin Emerg Drugs*. 2013 Mar;18(1):39-53. doi: 10.1517/14728214.2013.766168. Epub 2013 Feb 1. Review. PubMed PMID: 23373820.

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