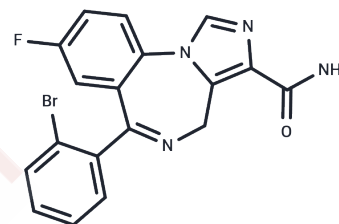


Imidazenil

Chemical Properties

CAS No. :	151271-08-8
Formula:	C ₁₈ H ₁₂ BrFN ₄ O
Molecular Weight:	399.22
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	Imidazenil is an modulator of GABA-A that blocks the sedative effects without lowering the convulsion threshold.
Targets(IC50)	GABA Receptor

Solubility Information

Solubility	DMSO: 11 mg/mL (27.55 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	2.5049 mL	12.5244 mL	25.0488 mL
5 mM	0.501 mL	2.5049 mL	5.0098 mL
10 mM	0.2505 mL	1.2524 mL	2.5049 mL
50 mM	0.0501 mL	0.2505 mL	0.501 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

Giusti P , Duci I , Puia G , et al. Imidazenil: a new partial positive allosteric modulator of gamma-aminobutyric acid (GABA) action at GABAA receptors.[J]. Journal of Pharmacology & Experimental Therapeutics, 1993, 266(2):1018-1028.

Auta J , Giusti P , Guidotti A , et al. Imidazenil, a partial positive allosteric modulator of GABAA receptors, exhibits low tolerance and dependence liabilities in the rat.[J]. Journal of Pharmacology & Experimental Therapeutics, 1994, 270(3):1262-9.

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