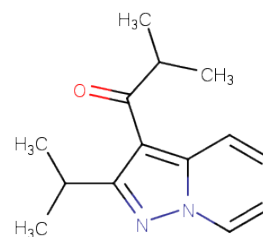


Ibutilast

Chemical Properties

CAS No. :	50847-11-5
Formula:	C ₁₄ H ₁₈ N ₂ O
Molecular Weight:	230.51
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Ibutilast (MN-166)(KC-404;AV-411;MN-166) is a relatively nonselective phosphodiesterase inhibitor. It is approved for use as an anti-inflammatory in Japan.
Targets(IC50)	PDE

Solubility Information

Solubility	DMSO: 28 mg/mL, Ethanol: 23 mg/mL(100 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3382 mL	21.691 mL	43.3821 mL
5 mM	0.8676 mL	4.3382 mL	8.6764 mL
10 mM	0.4338 mL	2.1691 mL	4.3382 mL
50 mM	0.0868 mL	0.4338 mL	0.8676 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

Zhou D, Yang S, Yan H, et al. SC75741, a novel c-Abl inhibitor, promotes the clearance of TDP25 aggregates via ATG5-dependent autophagy pathway. *Frontiers in Pharmacology*. 2021: 2891.

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