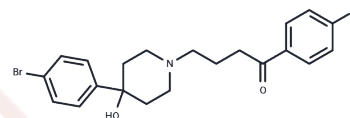


Bromperidol

Chemical Properties

CAS No. :	10457-90-6
Formula:	C ₂₁ H ₂₃ BrFNO ₂
Molecular Weight:	420.32
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	Bromperidol (R-11333) is a butyrophenone derivative and it is a potent and long-acting neuroleptic. Which is used as an antipsychotic in the treatment of schizophrenia.
Targets(IC50)	5-HT Receptor, Antibacterial, Dopamine Receptor

Solubility Information

Solubility	DMSO: 50 mg/mL (118.96 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.76 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3791 mL	11.8957 mL	23.7914 mL
5 mM	0.4758 mL	2.3791 mL	4.7583 mL
10 mM	0.2379 mL	1.1896 mL	2.3791 mL
50 mM	0.0476 mL	0.2379 mL	0.4758 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

Marianna Purgato, Clive E Adams. Bromperidol decanoate (depot) for schizophrenia. Cochrane Database Syst Rev. 2012 Nov 14;11(11):CD001719.

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