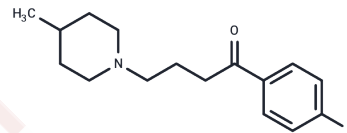


Melperone

Chemical Properties

CAS No. :	3575-80-2
Formula:	C ₁₆ H ₂₂ FNO
Molecular Weight:	263.35
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	Melperone, a butyrophenone tranquilizer, caused bradycardia in vivo and in vitro.
Targets(IC50)	Others,5-HT Receptor,Adrenergic Receptor,Cytochromes P450,Dopamine Receptor

Solubility Information

Solubility	DMSO: 41.67 mg/mL (158.23 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 (7.59 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	3.7972 mL	18.9861 mL	37.9723 mL
5 mM	0.7594 mL	3.7972 mL	7.5945 mL
10 mM	0.3797 mL	1.8986 mL	3.7972 mL
50 mM	0.0759 mL	0.3797 mL	0.7594 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

Millar J S , Vaughan Williams E M . Differential actions on rabbit nodal, atrial, Purkinje cell and ventricular potentials of melperone, a bradycardic agent delaying repolarization: effects of hypoxia.[J]. British Journal of Pharmacology, 2012, 75(1):109-121.

Whiskey E , Vavrova M , Gaughran F , et al. Melperone in treatment-refractory schizophrenia: a case series[J]. Therapeutic Advances in Psychopharmacology, 2011, 1(1):19-23.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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