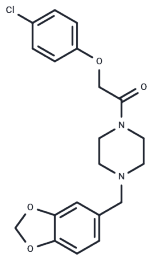
Data Sheet (Cat.No.T0322)

TargetMol

Fipexide

Chemical Properties



CAS No. : 34161-24-5

Formula: C20H21ClN2O4

Molecular Weight: 388.84

Storage: Store at low temperature
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	Fipexide (Attentil, Vigilor), a psychoactive drug of the piperazine chemical class, was developed in Italy in 1983. It was served as a nootropic drug in France and Italy, mainly for the therapy of senile dementia, but is no longer in common use because of the occurrence of rare drug side-effects including hepatitis and fever.
Targets(IC50)	Dopamine Receptor,Adenylate cyclase

Solubility Information

Solubility	DMSO: 55 mg/mL (141.45 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 (5.14 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5718 mL	12.8588 mL	25.7175 mL
5 mM	0.5144 mL	2.5718 mL	5.1435 mL
10 mM	0.2572 mL	1.2859 mL	2.5718 mL
50 mM	0.0514 mL	0.2572 mL	0.5144 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

Marino A, et al. Pharmacol Res. 1990 Mar-Apr;22(2):179-87.