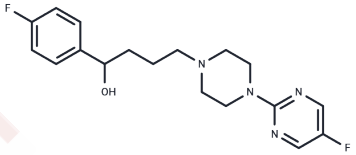
Data Sheet (Cat.No.T67739)

TargetMol

BMY-14802

Chemical Properties



CAS No. : 105565-56-8

Formula: C18H22F2N4O

Molecular Weight: 348.39

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	BMY-14802 (alpha-(4-fluorophenyl)-4-(5-fluoro-2-pyrimidinyl)-1-piperazine butanol) is a selective and orally active sigma-1 antagonist with an IC50 of 112 nM.
Targets(IC50)	5-HT Receptor,Adrenergic Receptor,Sigma receptor

Solubility Information

Solubility	DMSO: 4.5 mg/mL (12.92 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8703 mL	14.3517 mL	28.7035 mL
5 mM	0.5741 mL	2.8703 mL	5.7407 mL
10 mM	0.287 mL	1.4352 mL	2.8703 mL
50 mM	0.0574 mL	0.287 mL	0.5741 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

Yevich JP, et al. Synthesis and biological characterization of alpha-(4-fluorophenyl)-4-(5-fluoro-2-pyrimidinyl)-1-piperazinebutanol and analogues as potential atypical antipsychotic agents. J Med Chem. 1992 Nov 27;35(24):4516-25.

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