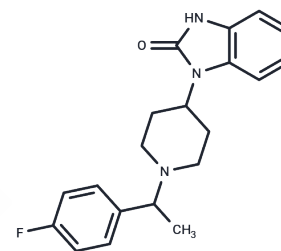


Fluorphine

Chemical Properties

CAS No. :	6440-42-2
Formula:	C ₂₀ H ₂₂ FN ₃ O
Molecular Weight:	339.41
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	Fluorphine, an analog of Brorphine, binds to the μ -opioid receptor (MOR) with a K_i of 12.5 nM. It exhibits GTP γ S binding activity with an EC ₅₀ of 75 nM and β -arrestin 2 recruitment activity with an EC ₅₀ of 377 nM, and it also has respiratory depressive effects.
Targets(IC ₅₀)	Opioid Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9463 mL	14.7314 mL	29.4629 mL
5 mM	0.5893 mL	2.9463 mL	5.8926 mL
10 mM	0.2946 mL	1.4731 mL	2.9463 mL
50 mM	0.0589 mL	0.2946 mL	0.5893 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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