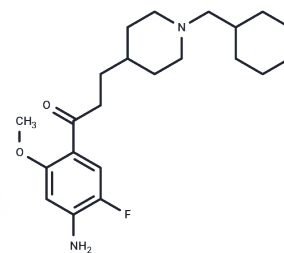


Flucopride

Chemical Properties

CAS No. :	1639925-34-0
Formula:	C ₂₂ H ₃₃ FN ₂ O ₂
Molecular Weight:	376.51
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	Flucopride (Compound 4a) acts as an acetylcholinesterase inhibitor (AChE) with an IC ₅₀ value of 24 nM and serves as a partial agonist for the human 5-HT ₄ receptor (5-HT ₄ R) with a K _i of 9.6 nM for (h)5-HT ₄ R. It promotes non-amyloidogenic processing of APP in COS-7 cells transiently expressing (h)5-HT ₄ R with an EC ₅₀ of 23.0 nM. Flucopride is also likely to exhibit significant gastrointestinal tract (GIT) penetration and blood-brain barrier (BBB) permeability, as determined in PAMPA experiments.
Targets(IC ₅₀)	5-HT Receptor, Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.656 mL	13.2799 mL	26.5597 mL
5 mM	0.5312 mL	2.656 mL	5.3119 mL
10 mM	0.2656 mL	1.328 mL	2.656 mL
50 mM	0.0531 mL	0.2656 mL	0.5312 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481