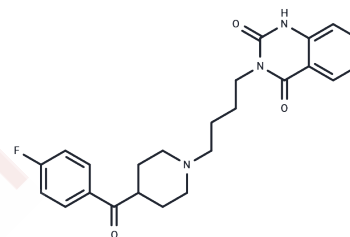


Butanserin

Chemical Properties

CAS No. :	87051-46-5
Formula:	C ₂₄ H ₂₆ N ₃ O ₃
Molecular Weight:	423.48
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	Butanserin is a 5-hydroxytryptamine S ₂ -antagonist.
Targets(IC ₅₀)	Others, Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3614 mL	11.8069 mL	23.6139 mL
5 mM	0.4723 mL	2.3614 mL	4.7228 mL
10 mM	0.2361 mL	1.1807 mL	2.3614 mL
50 mM	0.0472 mL	0.2361 mL	0.4723 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

Megens AA, Niemegeers CJ. Antagonism of the antidiarrhoeal effect of clonidine and the lethal effect of noradrenaline in rats: a reliable procedure to evaluate the in-vivo alpha 1- and alpha 2-blocking activity of drugs? J Pharm Pharmacol. 1984 Aug;36(8):516-20. PubMed PMID: 6148393.

Korstanje C, Sprenkels R, Doods HN, Hugtenburg JG, Boddeke E, Batink HD, Thoolen MJ, Van Zwieten PA. Characterization of flufylline, fluprofylline, ritanserin, butanserin and R 56413 with respect to in-vivo alpha 1-, alpha 2- and 5-HT₂-receptor antagonism and in-vitro affinity for alpha 1-, alpha 2- and 5-HT₂-receptors: comparison with ketanserin. J Pharm Pharmacol. 1986 May;38(5):374-9. PubMed PMID: 2872314.

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