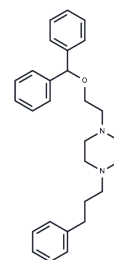


GBR 12935

Chemical Properties

CAS No. : 76778-22-8
 Formula: C₂₈H₃₄N₂O
 Molecular Weight: 414.58
 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	GBR-12935 is a piperazine derivative. It is an effective and selective dopamine reuptake inhibitor. GBR-12935 is now widely used in animal research into Parkinson's disease and the dopamine pathways in the brain.
Targets(IC50)	Others,Dopamine Receptor

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4121 mL	12.0604 mL	24.1208 mL
5 mM	0.4824 mL	2.4121 mL	4.8242 mL
10 mM	0.2412 mL	1.206 mL	2.4121 mL
50 mM	0.0482 mL	0.2412 mL	0.4824 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

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Akunne HC, Dersch CM, Cadet JL, Baumann MH, Char GU, Partilla JS, de Costa BR, Rice KC, Carroll FI, Rothman RB. Studies of the biogenic amine transporters. III. Demonstration of two binding sites for [3H]GBR12935 and [3H]BTCP in rat caudate membranes. *J Pharmacol Exp Ther.* 1994 Mar;268(3):1462-75. PubMed PMID: 7908058.

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