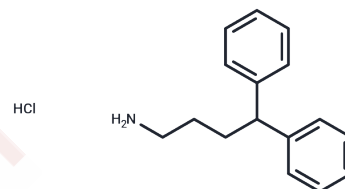


4,4-Diphenylbutylamine hydrochloride

Chemical Properties

CAS No. :	22101-90-2
Formula:	C ₁₆ H ₂₀ ClN
Molecular Weight:	261.79
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	4,4-Diphenylbutylamine exhibits affinity for the 5-HT _{2A} and H ₁ receptors with K _i values of 2589 and 1670 nM, respectively[1].
Targets(IC ₅₀)	Others,5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8199 mL	19.0993 mL	38.1986 mL
5 mM	0.764 mL	3.8199 mL	7.6397 mL
10 mM	0.382 mL	1.9099 mL	3.8199 mL
50 mM	0.0764 mL	0.382 mL	0.764 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

Shah JR, et al. Synthesis, structure-affinity relationships, and modeling of AMDA analogs at 5-HT_{2A} and H₁ receptors: structural factors contributing to selectivity. *Bioorg Med Chem.* 2009;17(18):6496-6504.

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