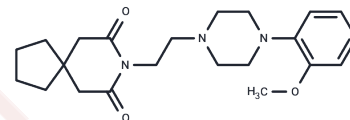


BMY 7378 free base

Chemical Properties

CAS No. :	21102-94-3
Formula:	C ₂₂ H ₃₁ N ₃ O ₃
Molecular Weight:	385.5
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	BMY 7378 (free base) is a selective antagonist for the α 1D adrenergic receptor (α 1D-AR). It exhibits a membrane-binding affinity for cloned rat α 1D-AR ($K_i=2$ nM) that is over 100 times stronger than its affinity for cloned rat α 1A-AR ($K_i=800$ nM) or hamster α 1B-AR ($K_i=600$ nM). Additionally, BMY 7378 (free base) acts as a partial agonist at the 5-HT _{1A} receptor.
Targets(IC ₅₀)	5-HT Receptor, Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.594 mL	12.9702 mL	25.9403 mL
5 mM	0.5188 mL	2.594 mL	5.1881 mL
10 mM	0.2594 mL	1.297 mL	2.594 mL
50 mM	0.0519 mL	0.2594 mL	0.5188 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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