

Guvacine hydrobromide

Chemical Properties

CAS No. : 6027-92-5

Formula: C₆H₁₀BrNO₂

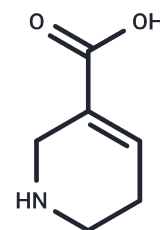
Molecular Weight: 208.05

Storage: Keep away from moisture, Keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

HBr



Biological Description

Description	Guvacine hydrobromide is an alkaloid discovered in Areca catechu and a GABA uptake inhibitor with IC ₅₀ values of 39 μM/58 μM/378 μM for rat GAT-1/GAT-2/GAT-3.
Targets(IC ₅₀)	GABA Receptor

Solubility Information

Solubility	H ₂ O: 20 mg/mL (96.13 mM), Sonication is recommended. DMSO: 40 mg/mL (192.26 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8065 mL	24.0327 mL	48.0654 mL
5 mM	0.9613 mL	4.8065 mL	9.6131 mL
10 mM	0.4807 mL	2.4033 mL	4.8065 mL
50 mM	0.0961 mL	0.4807 mL	0.9613 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

Borden LA, et al. Tiagabine, SK&F 89976-A, CI-966, and NNC-711 are selective for the cloned GABA transporter GAT-1. Eur J Pharmacol. 1994;269(2):219-224.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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