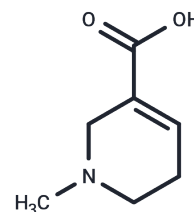


## Arecaidine hydrobromide

## Chemical Properties

CAS No. :	6013-57-6
Formula:	C7H12BrNO2
Molecular Weight:	222.08
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

HBr



## Biological Description

Description	Arecaidine hydrobromide is the salt form of Arecaidine, a pyridine alkaloid with potent GABA uptake inhibitory properties that acts as a substrate for H <sup>+</sup> -coupled amino acid transporter protein 1 (PAT1, SLC36A1) to competitively inhibit the uptake of L-proline.
Targets(IC50)	GABA Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5029 mL	22.5144 mL	45.0288 mL
5 mM	0.9006 mL	4.5029 mL	9.0058 mL
10 mM	0.4503 mL	2.2514 mL	4.5029 mL
50 mM	0.0901 mL	0.4503 mL	0.9006 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

Voigt V, Laug L, Zebisch K, Thondorf I, Markwardt F, Brandsch M. Transport of the areca nut alkaloid arecaidine by the human proton-coupled amino acid transporter 1 (hPAT1). *J Pharm Pharmacol.* 2013 Apr;65(4):582-90.  
Lodge D, Johnston GA, Curtis DR, Brand SJ. Effects of the Areca nut constituents arecaidine and guvacine on the action of GABA in the cat central nervous system. *Brain Res.* 1977 Nov 18;136(3):513-22.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481