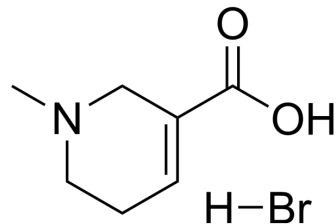


## Arecaidine hydrobromide

Cat. No.:	HY-N2368B
CAS No.:	6013-57-6
Molecular Formula:	C <sub>7</sub> H <sub>12</sub> BrNO <sub>2</sub>
Molecular Weight:	222.08
Target:	GABA Receptor
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Arecaidine hydrobromide, a pyridine alkaloid, is a potent GABA uptake inhibitor. Arecaidine hydrobromide is a substrate of H<sup>+</sup>-coupled amino acid transporter 1 (PAT1, SLC36A1) and competitively inhibits L-proline uptake<sup>[1][2]</sup>.

### CUSTOMER VALIDATION

- Int J Mol Sci. 2023 Mar 28.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

- [1]. D Lodge, et al. 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.
- [2]. Valerie Voigt, et al. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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