

Product Data Sheet

Product Name: Arecaidine

Cat. No.: GC60596

Chemical Properties

Cas. No. 499-04-7

SMILES O=C(C1=CCCN(C)C1)O

Formula $C_7H_{11}NO_2$

M.Wt 141.17

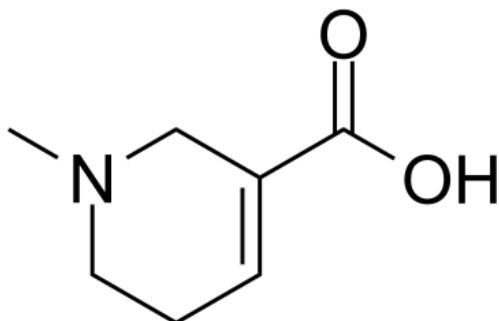
Solubility H_2O : 250 mg/mL (1770.91 mM;
Need ultrasonic)

Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

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

[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

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

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transporter 1 (hPAT1). J Pharm Pharmacol. 2013 Apr;65(4):582-90.

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