

Product Data Sheet

Product Name: Arecaidine hydrochloride

Cat. No.: GC63879

Chemical Properties

Cas. No. 6018-28-6

Formula C₇H₁₂ClNO₂

M.Wt 177.63

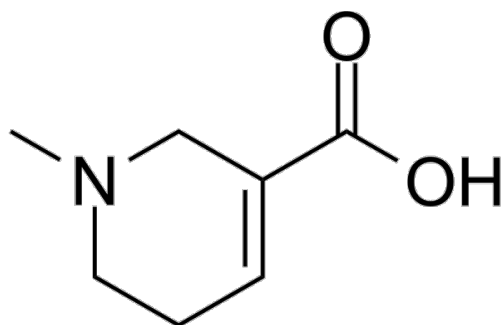
Solubility

Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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



H-Cl

Background

Arecaidine hydrochloride, a pyridine alkaloid, is a potent GABA uptake inhibitor. Arecaidine hydrochloride 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

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

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

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