

Product Data Sheet

Product Name: Harmalol hydrochloride

Cat. No.: GC60894

Chemical Properties

Cas. No. 6028-07-5

SMILES CC1=NCCC2=C1NC3=C2C=CC(O)=C3.[H]Cl

Formula $C_{12}H_{13}ClN_2O$ M.Wt 236.7

Solubility DMSO : 100 mg/mL (422.48 mM; Storage Store at -20°C
Need ultrasonic)

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.

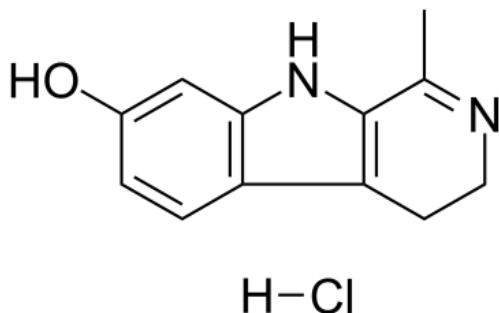
Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Structure



Background

Harmalol hydrochloride, a beta carboline alkaloid, presents in several medicinal plants such as *Peganum harmala*. Harmalol hydrochloride, main metabolite of Harmaline, significantly inhibits the dioxin-mediated induction of CYP1A1 at the transcriptional and posttranslational levels. Harmalol hydrochloride possesses antioxidant and hydroxyl radical-scavenging properties[1].

[1]. El Gendy MA, et al. Harmaline and harmalol inhibit the carcinogen-activating enzyme CYP1A1 via transcriptional and posttranslational mechanisms. *Food Chem Toxicol.* 2012;50(2):353-362.

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