Product Data Sheet

Product Name: Harmalol hydrochloride
Cat. No.: GC60894

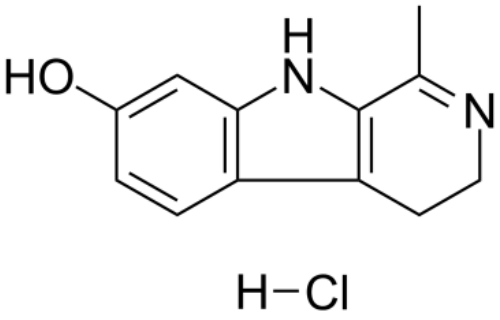
Chemical Properties

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; Need ultrasonic)	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.		

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
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.

Caution: Product has not been fully validated for medical applications. For research use only.
Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com
Address: 10292 Central Ave. #205, Montclair, CA, USA