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Product Datasheet

Harmine HCl, CAS [[343-27-1]] FBM-10-4520

Artikelname	Harmine HCl, CAS [[343-27-1]]
Artikelnummer	FBM-10-4520
Hersteller Artikelnummer	10-4520
Alternativnummer	FBM-10-4520-25MG, FBM-10-4520-100MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	MAO-A and DYRK inhibitor...
Molekulargewicht	248.71
Reinheit	>98% (TLC: 10% Methanol/methylene chloride + 0.5% NH4OH, Rf = 0.50)
Formulierung	White solid
CAS Nummer	[343-27-1]
Formel	C13H12N2OHCl

Anwendungsbeschreibung	Selective competitive and reversible inhibitor of MAO-A ($IC_{50} = 8 \mu M$).¹ Harmine is a potent and specific inhibitor of both the kinase activity and autophosphorylation of tyrosine during translation DYRK1A (IC_{50}s: DYRKA1A = 33 nM, DYRKA1B = 166 nM, DYRK2 = 1.9 μM, DYRK4 = 80 μM).^{2,3} Inhibits self-renewal and promotes differentiation of glioblastoma stem-like cells(GSLCs) possibly via inhibition of Akt phosphorylation.⁴ Harmine has also been shown to possess antimicrobial, antifungal, antiplasmodial, antitumor, antioxidant, antimutagenic and antigenotoxic properties.⁵ Inhibits osteoclast differentiation and bone resorption via downregulation of c-Fos and NFATc1 induced by RANKL.⁶
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