

Harmane-D

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Harmane-D is the deuterated form of Harmane. Harmane, a β -carboline alkaloid (BCA), acts as a potent neurotoxin, inducing marked tremors and psychiatric symptoms. It exhibits a high affinity for the I1 imidazoline receptor (IC ₅₀ =30 nM), showing 1000 times more selectivity than for the α 2-adrenergic receptor (IC ₅₀ =18 μ M). Additionally, Harmane (T3158) is an efficient and selective monoamine oxidase inhibitor, with IC ₅₀ values of 0.5 μ M and 5 μ M for MAO A and B, respectively.
Targets(IC50)	Adrenergic Receptor, Imidazoline Receptor, Monoamine Oxidase

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Tel:781-999-4286

E_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481