PRODUCT INFORMATION

3,4-MDMA methylene homolog (hydrochloride)
Item No. 10979

CAS Registry No.: 1797883-86-3
Formal Name: N,β-dimethyl-1,3-benzodioxole-5-propanamine, monohydrochloride
Synonym: 3,4-Methylenedioxymethamphetamine methyl homolog
MF: C₁₂H₁₇NO₂ • HCl
FW: 243.7
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: λ_max: 202, 287 nm

Laboratory Procedures

For long term storage, we suggest that 3,4-MDMA methylene homolog (hydrochloride) be stored as supplied at -20°C. It should be stable for at least two years.

3,4-MDMA methylene homolog (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the 3,4-MDMA methylene homolog (hydrochloride) in the solvent of choice. 3,4-MDMA methylene homolog (hydrochloride) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of 3,4-MDMA methylene homolog (hydrochloride) in ethanol is approximately 10 mg/ml and approximately 30 mg/ml in DMSO and DMF.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of 3,4-MDMA methylene homolog (hydrochloride) can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of 3,4-MDMA methylene homolog (hydrochloride) in PBS, pH 7.2, is approximately 10 mg/ml. We do not recommend storing the aqueous solution for more than one day.

Description

MDMA is a psychoactive drug, also known as ecstasy, that is banned in most countries, including the United States. 3,4-MDMA methyl homolog (hydrochloride) is a potential designer drug created by inserting a methylene group in the methylamphetamine portion of MDMA. The biological and toxicological activities of this compound have not been evaluated. This product is to be used in the forensic analysis of samples that may contain this compound.