4-acetoxy DMT (hydrochloride)
Item No. 14056

Formal Name: 3-[2-(dimethylamino)ethyl]-1H-indol-4-ol-4-acetate, monohydrochloride
Synonyms: Acetylpalocin, 4-acetoxy-N,N-Dimethyltryptamine, 4-AcO DMT
MF: C_{14}H_{18}N_{2}O_{2} • HCl
FW: 282.8
Purity: ≥ 90%
UV/Vis.: λ_{max}: 219, 277 nm
Supplied as: A solution in ethanol
Storage: -20°C
Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly

Laboratory Procedures

4-AcO DMT (hydrochloride) is supplied as a solution in ethanol. To change the solvent, simply evaporate the ethanol under a gentle stream of nitrogen and immediately add the solvent of choice. Solvents such as DMSO and dimethyl formamide purged with an inert gas can be used. The solubility of 4-AcO DMT (hydrochloride) in these solvents is approximately 10 and 30 mg/ml, respectively.

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 4-AcO DMT (hydrochloride) can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of 4-AcO DMT (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

4-AcO DMT is an O-acetylated psilocin that is believed to be a synthetic prodrug of psilocin, the psychedelic hallucinogen derived from various mushrooms. Although its pharmacological and toxicological properties are not well known, its activity has been proposed to be somewhat similar to that of psilocybin and psilocin. This product is intended for forensic and research applications.

Reference