3,4-MDMA (hydrochloride)X
Item No. 13971

CAS Registry No.: 64057-70-1
Formal Name: Nα-dimethyl-1,3-benzodioxole-5-ethanamine, monohydrochloride
Synonyms: 3,4-Methylenedioxymethylamphetamine, NSC 168383
MF: C₁₁H₁₅NO₂ • HCl
FW: 229.7
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis.: λ_max: 237, 287 nm

Description

3,4-MDMA (hydrochloride) (Item No. 13971) is an analytical reference standard that is structurally categorized as an amphetamine. Also known as ecstasy, it is a euphoric entactogen that is illegal in most countries and is regulated (Schedule I) in the United States. It inhibits transporters for noradrenaline and serotonin (IC₅₀ = 6.6 and 34.8 μM, respectively) and blocks the uptake of dopamine (IC₅₀ = 0.48 μM). This neurotoxic compound, unlike typical amphetamines, suppresses locomotor activity in animals at both low and high doses. This product is intended for research and forensic applications.

References