PRODUCT INFORMATION

3,4-MDMA (hydrochloride)
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%
Supplied as: A neat solid
Storage: -20°C
Stability: ≥6 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

3,4-MDMA (hydrochloride) (Item No. 13971) is an analytical reference material 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.1 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).2,3 This neurotoxic compound, unlike typical amphetamines, suppresses locomotor activity in animals at both low and high doses.4 This product is intended for research and forensic applications.

This product is a qualified Reference Material (RM) that has been manufactured and tested to meet ISO/IEC 17025 and ISO Guide 34 guidelines. These materials are tested using validated analytical methods on qualified instrumentation to ensure traceability of measurements. All traceable RMs may be distinguished by their CoAs and can be downloaded below using the batch number located on the product label. For a representative CoA please contact our technical support.

References