4-hydroxy-3-Methoxyamphetamine (hydrochloride)

Item No. 14196

CAS Registry No.: 13062-61-8
Formal Name: 4-(2-aminopropyl)-2-methoxy-phenol, monohydrochloride
Synonyms: HMA, NSC 172191
MF: C10H15NO2 • HCl
FW: 217.7
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid

UV/Vis:

λ max: 231, 282 nm

Laboratory Procedures

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

HMA (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the HMA (hydrochloride) in the solvent of choice. HMA (hydrochloride) is soluble in organic solvents such as DMSO and dimethyl formamide, which should be purged with an inert gas. The solubility of HMA (hydrochloride) in these solvents is approximately 10 and 0.16 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 HMA (hydrochloride) can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of HMA (hydrochloride) in PBS, pH 7.2, is approximately 5 mg/ml. We do not recommend storing the aqueous solution for more than one day.

3,4-MDMA, also known as ecstasy, is a euphoric entactogen which is illegal in most countries and is regulated (Schedule I) in the United States. HMA, known more formally as 4-hydroxy-3-methoxyamphetamine, is a metabolite of 3,4-MDMA. It is typically glucuronidated or sulfated before excretion and detected in urine after cleavage, although intact forms may also be measured. This product is intended for forensic and research purposes.

References

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/14196

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

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For further details, please refer to our Warranty and Limitation of Remedy located on our website and in our catalog.