N,N-DMA (hydrochloride)

Item No. 11556

CAS Registry No.: 33286-27-0
Formal Name: N,N,N-trimethyl-benzeneethanamine, monohydrochloride
Synonyms: Dimetamfetamine,
N,N-Dimethylamphetamine, Metrotonin,
NSC 27146, NSC 75736, T 312
MF: C11H17N • HCl
FW: 199.7
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid

Laboratory Procedures

For long term storage, we suggest that N,N-dimethylamphetamine (N,N-DMA) (hydrochloride) be stored as supplied at -20°C. It should be stable for at least two years.

N,N-DMA (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the DMA (hydrochloride) in the solvent of choice. N,N-DMA (hydrochloride) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide, which should be purged with an inert gas. The solubility of N,N-DMA (hydrochloride) in these solvents is approximately 20, 5, and 3 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 N,N-DMA (hydrochloride) can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of N,N-DMA (hydrochloride) in PBS, pH 7.2, is approximately 5 mg/ml. We do not recommend storing the aqueous solution for more than one day.

N,N-DMA is a regulated stimulant that is an N-methylated analog of methamphetamine.1 It is often found as an impurity in preparations of methamphetamine.2,3 N,N-DMA itself is less active and less neurotoxic than methamphetamine.1,4 The metabolites of N,N-DMA that are detectable in human urine have been characterized.5,6 This product is intended for research and forensic applications.

References


Related Products

For a list of related products please visit: www.caymanchem.com/catalog/11556

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 to your institution.

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