

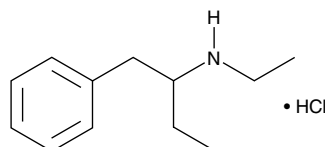
Product Information



2-Ethylamino-1-phenylbutane (hydrochloride)

Item No. 9001863

CAS Registry No.: 29805-52-5
Formal Name: N,α-diethyl-benzeneethanamine, monohydrochloride
MF: C₁₂H₁₉N • HCl
FW: 213.8
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid



Laboratory Procedures

For long term storage, we suggest that 2-ethylamino-1-phenylbutane (hydrochloride) be stored as supplied at -20°C. It should be stable for at least two years.

2-Ethylamino-1-phenylbutane (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the 2-ethylamino-1-phenylbutane (hydrochloride) in the solvent of choice. 2-Ethylamino-1-phenylbutane (hydrochloride) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF), which should be purged with an inert gas. The solubility of 2-ethylamino-1-phenylbutane (hydrochloride) in ethanol and DMF is approximately 30 mg/ml and approximately 25 mg/ml in DMSO.

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 2-ethylamino-1-phenylbutane (hydrochloride) can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of 2-ethylamino-1-phenylbutane (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-Ethylamphetamine (hydrochloride) (Item No. 11557) is an N-substituted amphetamine with an ethyl group attached to the amine. It is an anorectic that can be abused as a stimulant.^{1,2} 2-Ethylamino-1-phenylbutane is an analog of N-ethylamphetamine that is characterized by an ethyl group replacing the methyl at the α position. The physiological and toxicological properties of this compound are not known. This product is intended for forensic and research purposes.

References

1. Lekskulchai, V. and Mokkhesa, C. Evaluation of Roche Abuscreen ONLINE amphetamine immunoassay for screening of new amphetamine analogues. *J. Anal. Toxicol.* **25**(6), 471-475 (2001).
2. Nagai, T., Kanaya, H., Matsushima, K., *et al.* Time-lapse changes of d- and l-enantiomers of racemic (dl)-ethylamphetamine in human urine. *J. Anal. Toxicol.* **21**(2), 112-115 (1997).

Related Products

For a list of related products please visit: www.caymanchem.com/catalog/9001863

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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.

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Said refund or replacement is conditioned on Buyer giving written notice to Cayman within thirty (30) days after arrival of the material at its destination. Failure of Buyer to give said notice within thirty (30) days shall constitute a waiver by Buyer of all claims hereunder with respect to said material.

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