Product Information

(±)-Lefetamine (hydrochloride)
Item No. 15566

CAS Registry No.: 24301-90-4
Formal Name: N,N-dimethyl-α-phenyl-benzeneethanamine, monohydrochloride
Synonym: Santenal
MF: C₁₆H₁₉N • HCl
FW: 261.8
Purity: ≥98%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid
UV/Vis: λ max: 258 nm

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

(±)-Lefetamine (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the (±)-lefetamine (hydrochloride) in the solvent of choice. (±)-Lefetamine (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 (±)-lefetamine (hydrochloride) in ethanol is approximately 15 mg/ml and approximately 20 mg/ml in DMSO and DMF.

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 (±)-lefetamine (hydrochloride) can be prepared by directly dissolving the crystalline solid in aqueous buffers. The solubility of (±)-lefetamine (hydrochloride) in PBS, pH 7.2, is approximately 2 mg/ml. We do not recommend storing the aqueous solution for more than one day.

(±)-Lefetamine is a diphenylethanamine with opiate-like effects. While it has limited potential in detoxification treatment of opiate and methadone addiction, lefetamine is widely abused. This product is intended for forensic and research applications.

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/15566