

Product Data Sheet

Product Name: 2-Phenylethylamine hydrochloride

Cat. No.: GC38692

Chemical Properties

Cas. No. 156-28-5

SMILES NCCCC1=CC=CC=C1.[H]Cl

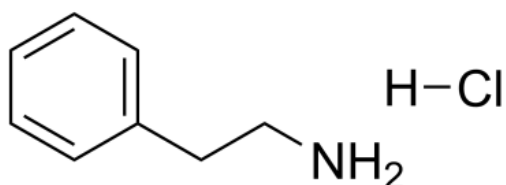
Formula $C_8H_{12}ClN$ M.Wt 157.64

Solubility DMF: 30 mg/ml, DMSO: 30 mg/ml, Ethanol: 25 mg/ml, PBS (pH 7.2): 10 mg/ml
Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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2-Phenylethylamine hydrochloride is believed to function as a neuromodulator or neurotransmitter.

2-Phenylethylamine (PEA) is soluble in water, ethanol, and ether. Phenethylamine is a skin irritant and possible sensitizer. 2-Phenylethylamine is believed to function as a neuromodulator or neurotransmitter (a trace amine). It is also found in many foods such as chocolate, especially after microbial fermentation. 2-Phenylethylamine is a precursor to the neurotransmitter phenylethanolamine. High levels of 2-Phenylethylamine have been found in the urine of schizophrenics but it is not significantly elevated in the serum or CSF of schizophrenics[1][2]. Urinary levels of 2-Phenylethylamine are significantly lower in children with attention deficit hyperactivity disorder. 2-Phenylethylamine is useful for scaring off rodent pests[3].

[1]. O'Reilly RL, et al. Phenylethylamine and schizophrenia. Prog Neuropsychopharmacol Biol Psychiatry. 1994 Jan;18(1):63-75. [2]. Potkin SG, et al. Phenylethylamine (PEA) and phenylacetic acid (PAA) in the urine of chronic schizophrenic patients and controls. Psychopharmacol Bull. 1980 Jan;16(1):52-4. [3]. Kusaga A, et al. Increased urine phenylethylamine after methylphenidate treatment in children with ADHD. Ann Neurol. 2002 Sep;52(3):372-4.

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