ProductInformation

Cat. No. P3029
PHENCYCLIDINE HYDROCHLORIDE--DEA SCHEDULE II
PCP HYDROCHLORIDE

Sigma receptor ligand; psychostimulant.

Mol. Formula: $C_{17}H_{25}N \cdot HCl$

Mol. Wt.: 279.8 (anhyd.)

m.p.: 224-226°C

CAS Registry No.: 956-90-1

Chemical Name: 1-(1-Phenylcyclohexyl)piperidine hydrochloride

Physical Properties: White solid.

Caution: POTENT NEUROTOXIN. This substance should be handled with care. Wear gloves and mask when handling this product. Precautions should be taken to avoid contact by all routes of exposure. RTECS No. TN2272600.

Storage: Store tightly sealed at room temperature.

Solubility: Soluble in methanol (30 mg/ml), 0.1N HCl (18.4 mg/ml) or water (11.2 mg/ml).

Disposal: Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. This product is controlled by the Drug Enforcement Administration. Appropriate security must be maintained until the substance is destroyed. Records must be kept which detail the ultimate disposition of the material. This substance is toxic to humans and all precautions must be taken to avoid ingestion by any route, skin contact, or inhalation of fumes during the destruction process. OBSERVE ALL LOCAL, STATE AND FEDERAL LAWS.

References:

1. *Merck Index* **12th Ed.**, No. 7364.
2. Moghaddam, B. et al. "Reversal of phencyclidine effects by a group II metabotropic glutamate receptor agonist in rats." *Science* **281**, 1349-1352 (1998).
3. Pande, M. et al. "Phencyclidine block of Ca^{2+} ATPase in rat heart sarcoplasmic reticulum." *Toxicology* **129**, 95-102 (1998).
4. O'Donnell, P. et al. "Phencyclidine interferes with the hippocampal gating of nucleus accumbens neuronal activity *in vivo*." *Neuroscience* **87**, 823-830 (1998).
5. Adams, B. et al. "Corticolimbic dopamine neurotransmission is temporally dissociated from the cognitive and locomotor effects of phencyclidine." *J. Neurosci.* **18**, 5545-5554 (1998).
6. Sharp, J.W. "Phencyclidine (PCP) acts at sigma sites to induce c-fos gene expression." *Brain Res.* **758**, 51-58 (1997).

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