

Product Information

Cat. No. t115
TENOCYCLIDINE HYDROCHLORIDE--DEA SCHEDULE I
TENOCYCLIDINE HYDROCHLORIDE

Phencyclidine (PCP) congener which binds selectively to the PCP receptor ($K_d = 25$ nM).
TCP may be tritiated for use in autoradiographic studies of the PCP receptor.

Mol. Formula: $C_{15}H_{23}NS \cdot HCl$

Mol. Wt.: 285.9 (anhyd.)

m.p.: 232-234°C

CAS Registry No.: 42084-81-1 (free base)

Chemical Name: 1-[1-(2-Thienyl)cyclohexyl]piperidine hydrochloride

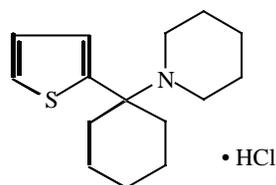
Physical Properties: White solid.

Caution: POTENT NEUROTOXIN. Wear gloves and mask when handling this product.
Avoid contact by all modes of exposure.

Storage: Store tightly sealed at room temperature.

Solubility: Soluble in water or methanol.

Disposal: 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. 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.



References:

1. Sonders, M.S., Keana, J.F.W., Weber, E. "Phencyclidine and psychotomimetic sigma opiates: Recent insights into their biochemical and physiological sites of action." *TINS* **11**, 37 (1988).
2. Vignon, J., Privat, A., Chaudieu, I., Thierry, A., Kamenka, J.M., Chicheportiche, R. "[³H]Thienyl-phencyclidine binds to two different sites in rat brain." *Brain Res.* **378**, 133 (1986).
3. Vignon, J., Chicheportiche, R., Chicheportiche, M., Kamenka, J.-M., Geneste, P., Lazdunski, M. "[³H]TCP: A new tool with high affinity for the PCP receptor in rat brain." *Brain Res.* **280**, 194 (1983).
4. Olney, J.W., Labruyere, J., Price, M.T. "Pathological changes induced in cerebrocortical neurons by phencyclidine and related drugs." *Science* **244**, 1360 (1989).
5. Quirion, R., Chicheportiche, R., Contreras, P.C., Johnson, K.M., Lodge, D., Tam, S.W., Woods, J.H., Zukin, S.R. "Classification and nomenclature of phencyclidine and sigma receptor sites." *TINS* **10**, 444 (1987).
6. Manallack, D.T., Beart, P.M., Gundlach, A.L. "Psychotomimetic sigma-opiates and PCP." *TIPS* **87**, 448 (1986).

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7. Itzhak, Y. "Pharmacological specificity of some psychotomimetic and antipsychotic agents for sigma and PCP binding sites." *Life Sci.* **42**, 745 (1988).
8. Largent, B.L., Gundlach, A.L., Snyder, S.H. "Pharmacological and autoradiographic discrimination of sigma and phencyclidine receptor binding sites with (+)-[³H]SKF 10,047, (+)-[³H]-3-PPP and [³H]TCP." *J. Pharmacol. Exp. Ther.* **238**, 739 (1986).

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