



Product Information

Cat. No. M-150

(+)-METHADONE HYDROCHLORIDE

Less active enantiomer of Methadone, Cat. No. M-135.

Mol. Formula: C₂₁H₂₇NO·HCl

Mol. Wt.: 345.90 (anhyd.)

m.p.: 242-245°C

CAS Registry No.: 5653-80-5

Chemical Name: S(+)-6-(Dimethylamino)-4,4-diphenyl-3-heptanone hydrochloride

Physical Properties: White solid. $[\alpha]_D^{22} = +140.9^\circ$ (c = 1.1, EtOH).

Caution: The pharmacology of this compound is incompletely characterized and due care should be exercised in its use. Avoid skin contact, ingestion or inhalation.

Storage: Store tightly sealed at room temperature.

Solubility: Soluble in water.

Disposal: Dissolve or mix the compound 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.

References:

1. *Merck Index 11th Ed.*, No. 5852.
2. Horng, J.S., Smits, S.E., Wong, D.T. "The binding of the optical isomers of methadone, α -methadol, α -acetylmethadol and their N-methylated derivatives to the opiate receptors of rat brain." *Res. Commun. Chem. Pathol. Pharmacol.* **14(4)**, 621 (1976).
3. Shah, N.S., Donald, A.G. "Pharmacological effects and metabolic fate of levo-methadone during postnatal development in rat." *J. Pharmacol. Exp. Ther.* **208(3)**, 491 (1991).

CONTROLLED SUBSTANCE - DEA LICENSE REQUIRED (II)

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