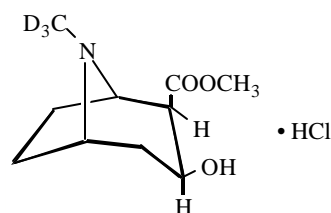


Product Information

Cat. No. e147

ECGONINE METHYL ESTER-D₃ HYDROCHLORIDE HYDRATE 98 ATOM %D--DEA SCHEDULE I ILORIDE (N-METHYL d₃, 98%)

Reference standard for cocaine analysis.

Mol. Formula: C₁₀H₁₄D₃NO₃·HCl**Mol. Wt.:** 238.71 (anhyd.)**CAS Registry No.:** 118357-31-6**Chemical Name:** (–)-3β-Hydroxy-1αH-5αH-tropane-2β-carboxylic acid methyl ester hydrochloride (N-methyl-d₃)**Physical Properties:** Methanol solution containing 0.1 mg/ml. Product supplied in a sealed glass ampoule. When opening the ampoule, gloves and safety goggles are recommended: cover the ampoule with a cloth and place thumbs on the score line; while applying light pressure away from the body, snap the ampoule open.**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 the unopened ampoule at -20°C. After opening, transfer to a small tightly sealed vial or other container and store at -20°C.**Solubility:** Soluble in methanol.**Disposal:** Dissolve or mix the compound with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.**References:**

1. Abusada, G.M., Abukhaiaf, I.K., Alford, D.D., Vinzon-Bautista, I., Pramanik, A.K., Ansari, N.A., Manno, J.E., Manno, B.R. "Solid-phase extraction and GC/MS quantitation of cocaine, ecgonine methyl ester, benzoylecgonine, and cocaethylene from meconium, whole blood, and plasma." *J. Anal. Toxicol.* **17**, 353-358 (1993).
2. Cone, E.J., Hillsgrove, M., Darwin, W.D. "Simultaneous measurement of cocaine, cocaethylene, their metabolites and "crack" pyrolysis products by GC/MS." *Clin. Chem.* **40**, 1299-1305 (1994).
3. Ellerbe, P., Tai, S.S.-C., Christensen, R.G., Espinosa-Leniz, R., Paule, R.C., Sander, L.C., Sniegoswki, L.T., Welch, M.J., White, E. "The certification of cocaine and benzoylecgonine in human urine standard reference material." *J. Anal. Toxicol.* **16**, 158-162 (1992).

A DEA LICENSE IS NOT REQUIRED FOR THIS SOLUTION.