

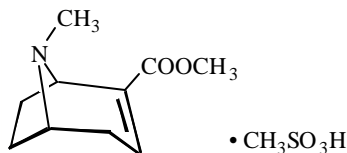
**Product Information**

Cat. No. E-107

**ECGONIDINE METHYL ESTER MESYLATE**

## METHYLECONIDINE MESYLATE

Cocaine metabolite.

**Mol. Formula:** C<sub>10</sub>H<sub>15</sub>NO<sub>2</sub>·CH<sub>3</sub>SO<sub>3</sub>H**Mol. Wt.:** 277.34 (anhyd.)**m.p.:** 153-154°C**CAS Registry No.:** 43021-26-7**Chemical Name:** (1R)-8-Methyl-8-azabicyclo[3.2.1]oct-2-ene-2-carboxylic acid methyl ester mesylate**Physical Properties:** White solid.  $[\alpha]_D^{26} = -37.3^\circ$  (c = 1.64, H<sub>2</sub>O).**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 -20°C.**Solubility:** Soluble in dilute aqueous acid, DMSO; sparingly 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. Martin, B.R., Lue, L.P., Boni, J.P. "Pyrolysis and volatilization of cocaine." *J. Anal. Toxicol.* **13**, 158-62 (1989).
2. Schultz, O.E., Al-Yahya, M.A.I., Evans, W.C., Grout, R.J. "Alkaloids of the genus *Erythroxylum*. Part 2. *E. dekindtii*." *J. Chem. Soc., Perkin Trans.* **1**, 2130-2132 (1979).
3. Clarke, R.L., Daum, S.J., Gambino, A.J., Aceto, M.D., Pearl, J., Levitt, M., Cumskey, W.R., Bogado, E.F. "Compounds affecting the central nervous system. 4.3.β-Phenyltropane-3-carboxylic esters and analogs." *J. Med. Chem.* **16**, 1260-1267 (1973).

CONTROLLED SUBSTANCE - DEA LICENSE REQUIRED (II)