Cat. No. E-006

N-METHYL-β-CARBOLINE-3-CARBOXAMIDE

FG-7142

Benzodiazepine inverse agonist; potent anxiogenic agent; methyl amide of β-CCA.

Mol. Formula: C_{13}H_{11}N_{3}O

Mol. Wt.: 225.2 (anhyd.)

m.p.: 269-270°C.

CAS Registry No.: 78538-74-6

Chemical Name: N-Methyl-9H-pyrido[3,4-b]indole-3-carboxamide

Physical Properties: Light tan solid.

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 0.1N HCl (2.3 mg/ml) or ethanol (1 mg/ml); insoluble in water. Solubility in 45% (w/v) aqueous 2-hydroxypropyl-β-cyclodextrin (Cat. No. H-107): 1.77 mg/ml. Solutions may be stored at 4°C for several days.

Disposal: Dissolve or mix the compound with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

References:
1. Petersen, E.N., Paschelke, G., Kehr, W., Nielsen, M., Braestrup, C. "Does the reversal of the anticonflict effect of phenobarbital by β-CCE and FG-7142 indicate benzodiazepine receptor-mediated anxiogenic properties?" Eur. J. Pharmacol. 82, 217-221 (1982).

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