

Product Data Sheet

Product Name: Ro 41-0960

Cat. No.: GC46213

Chemical Properties

Cas. No. 125628-97-9

SMILES OC1=C(O)C=C(C(C2=CC=CC=C2F)=O)C=C1[N+](O-)=O

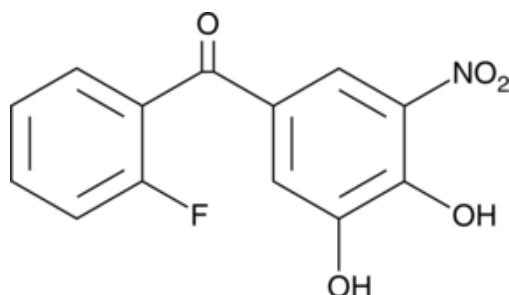
Formula C₁₃H₈FNO₅ M.Wt 277.2

Solubility DMF: 20 mg/ml, DMSO: 20 mg/ml, Ethanol: 20 mg/ml, PBS (pH 7.2): 0.2 mg/ml
Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Ro 41-0960 is a catechol-O-methyltransferase (COMT) inhibitor.¹ It prevents dopaminergic neuron loss induced by L-DOPA in primary rat rostral mesencephalic tegmentum cultures (EC₅₀ = 0.1 μM). Ro 41-0960 (30 mg/kg) potentiates L-DOPA and carbidopa-induced reversal of reserpine-induced akinesias in rats and reserpine-induced catalepsy and hypothermia in mice.² It reduces striatal 3-methyl-DOPA levels and increases striatal dopamine and 3,4-dihydroxyphenylacetic acid levels in rats. Ro 41-0960 (150 mg/kg) also reduces fibroid volume in the Eker rat model of uterine fibroids.³

Caution: Product has not been fully validated for medical applications. For research use only.

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