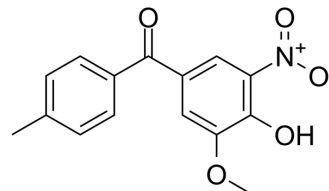


3-O-Methyltolcapone

Cat. No.:	HY-100642
CAS No.:	134612-80-9
Molecular Formula:	C ₁₅ H ₁₃ NO ₅
Molecular Weight:	287.27
Target:	COMT
Pathway:	Metabolic Enzyme/Protease; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	3-O-Methyltolcapone (Ro 40-7591) is a metabolite of Tolcapone. Tolcapone is an orally active, reversible, selective and potent COMT inhibitor. Tolcapone crosses the blood-brain barrier, and can be used for treatment of Parkinson's disease ^{[1][2]} .
IC ₅₀ & Target	COMT ^{[1][2]}

REFERENCES

- [1]. Jorga K, et al. Metabolism and excretion of tolcapone, a novel inhibitor of catechol-O-methyltransferase. *Br J Clin Pharmacol.* 1999 Oct;48(4):513-20.
- [2]. Ceravolo R, et al. 18F-dopa PET evidence that tolcapone acts as a central COMT inhibitor in Parkinson's disease. *Synapse.* 2002 Mar 1;43(3):201-7.

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

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