

# Tolcapone

**Catalog No: tcsc1173**



## Available Sizes

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

134308-13-7

**Formula:**

$C_{14}H_{11}NO_5$

**Pathway:**

Neuronal Signaling;Metabolic Enzyme/Protease

**Target:**

COMT;COMT

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 100 mg/mL (365.98 mM; Need ultrasonic)

**Alternative Names:**

Ro 40-7592

**Observed Molecular Weight:**

273.24

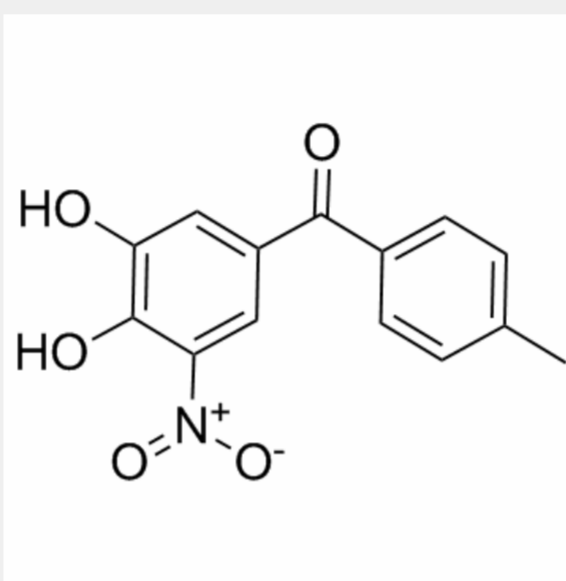
## Product Description

Tolcapone(Ro 40-7592) is an orally active selective, potent catechol-O-methyltransferase (COMT) inhibitor.

IC50 value:

Target: COMT

Tolcapone inhibits both central and peripheral COMT. Tolcapone caused a rapid and reversible inhibition of COMT activity in erythrocytes in parallel with a dose-dependent decrease in the formation of 3-OMD. Tolcapone increased the area under the concentration-time curve and elimination half-life of levodopa. Tolcapone crosses the blood-brain barrier, and has been used for L-DOPA adjunct therapy in the treatment of Parkinson's disease.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!