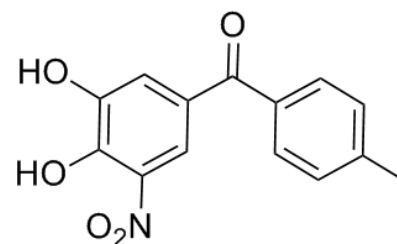


**Product Name** : Tolcapone  
**Cat. No.** : PC-45228  
**CAS No.** : 134308-13-7  
**Molecular Formula** : C<sub>14</sub>H<sub>11</sub>NO<sub>5</sub>  
**Molecular Weight** : 273.2408  
**Target** : COMT  
**Solubility** : 10 mM in DMSO



### Biological Activity

A selective, potent and reversible nitrocatechol-type inhibitor of catechol-O-methyltransferase (COMT) for treatment of Parkinson's disease; also kills neuroblastoma (NB) cells in preclinical models by inhibition of COMT; induces oxidative stress leading to apoptosis and inhibition of tumor growth in Neuroblastoma; also is a potent Transthyretin (TTR) aggregation inhibitor.

Parkinson's Disease  
Approved

### References

Maj J, et al. J Neural Transm Park Dis Dement Sect. 1990;2(2):101-12.

Maser T, et al. Cancer Med. 2017 Jun;6(6):1341-1352.

Sant'Anna R, et al. Nat Commun. 2016 Feb 23;7:10787.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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