Product Data Sheet

Product Name: Entacapone sodium salt
CAS No.: 1047659-02-8
Cat. No.: HY-14280A
MWe: 327.27
Formula: C14H14N3NaO5
Purity: >98%

Solubility: DMSO

Mechanisms:
Pathways: Others; Target: COMT

Biological Activity:
Entacapone is a specific, potent, peripherally acting catechol-O-methyltransferase (COMT) inhibitor with IC50 of 151 nM for PD treatment.
IC50 Value: 151 nM
Target: COMT
in vitro: Entacapone inhibits catechol-O-methyltransferase (COMT) with similar IC50 in different tissues including live, duodenum, kidney and lung, but entacapone is more active than tolcapone in those tissues. Entacapone (< 100 μM) is a potent inhibitor of α-syn and β-amyloid (Aβ) oligomerization and fibrillogenesis, and also protects against extracellular toxicity induced by the aggregation of both proteins in PC12 cells.
in vivo: Levodopa/carbidopa/entacapone has been shown to improve the pharmacokinetic profile of levodopa and provide superior symptomatic control compared with conventional levodopa/dopa decarboxylase inhibitor therapy. We report four case histories describing clinical experienc... 

References:

Caution: Not fully tested. For research purposes only

Medchemexpress LLC