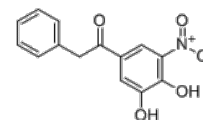


Product Name : Nebicapone
Cat. No. : PC-35791
CAS No. : 274925-86-9
Molecular Formula : C₁₄H₁₁NO₅
Molecular Weight : 273.244
Target : COMT
Solubility :



Biological Activity

Nebicapone (BIA 3-202, BIA3-202) is a potent, long-acting, reversible and competitive peripheral inhibitor of catechol-O-methyltransferase (**COMT**) with IC₅₀ of 3.7 nM for rat brain COMT, much less potent for liver COMT with IC₅₀ of 696 nM; enhances the availability of L-DOPA to the brain and reduces its O-methylation, Nebicapone (BIA 3-202, BIA3-202) is an adjunct to levodopa/carbidopa or levodopa/benserazide in the treatment of Parkinson's disease.

Parkinson Disease

Phase 1 Discontinued

References

- Parada A, et al. *Pharmacology*. 2003 May;68(1):29-37.
- Bonifácio MJ, et al. *Eur J Pharmacol*. 2003 Jan 24;460(2-3):163-70.
- Learmonth DA, et al. *J Med Chem*. 2002 Jan 31;45(3):685-95.
- Parada A, et al. *Eur J Pharmacol*. 2001 May 18;420(1):27-32.

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

E-mail: tech@probechem.com