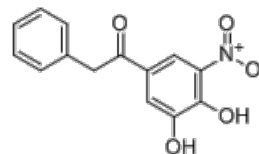


Product Name : Nebicapone
Synonyms : BIA 3-202; BIA3-202
Cat No. : M13842
CAS Number : 274925-86-9
Molecular Formula : C₁₄H₁₁NO₅
Formula Weight : 273.24
Chemical Name : 1-(3,4-dihydroxy-5-nitrophenyl)-2-phenylethan-1-one



Description : 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

Pathway : Metabolic Enzyme/Protease

Target : COMT

Receptor : COMT

Solubility : —

SMILES : O=[N+](C1=C(O)C(O)=CC(C(C2=CC=CC=C2)=O)=C1)[O-]

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Parada A, et al. Pharmacology. 2003 May;68(1):29-37. | 2. Bonifácio MJ, et al. Eur J Pharmacol. 2003 Jan 24;460(2-3):163-70. | 3. Learmonth DA, et al. J Med Chem. 2002 Jan 31;45(3):685-95. | 4. Parada A, et al. Eur J Pharmacol. 2001 May 18;420(1):27-32.