

产品名称 : Nebicapone

同义词 : BIA 3-202 | BIA3-202

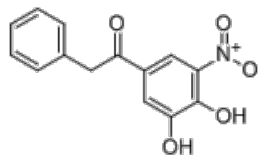
产品货号 : M13842

CAS Number : 274925-86-9

分子式 : C<sub>14</sub>H<sub>11</sub>NO<sub>5</sub>

分子量 : 273.244

化学全名 : 1-(3,4-dihydroxy-5-nitrophenyl)-2-phenylethan-1-one



产品描述 : Nebicapone (BIA 3-202, BIA3-202) is a potent, long-acting, reversible and competitive peripheral inhibitor of catechol-O-methyltransferase (COMT) with IC<sub>50</sub> of 3.7 nM for rat brain COMT, much less potent for liver COMT with IC<sub>50</sub> 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.

通路 : Metabolic Enzyme/Protease

靶点 : COMT

受体 : COMT

溶解度 : In Vitro: ?DMSO : ≥ 100 mg/mL (365.98 mM)

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

存储条件 : (-20°C)

稳定性 : ≥ 2 years

参考文献 :

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. Leamonth 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.

仅限科学研究使用，不得用于人体。