# Data Sheet (Cat.No.T16279)



## Nebicapone

Chemical Propert	ies	
CAS No. :	274925-86-9	о он И Дон
Formula:	C14H11NO5	₀≝ ♥♥♥
Molecular Weight:	273.24	
Appearance:	no data available	
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year	

<b>Biological Description</b>	
Description	Nebicapone is a reversible catechol-O-methyltransferase (COMT) inhibitor and is mainly metabolized by glucuronidation. Nebicapone is mainly peripherally acting inhibitor that decreases the biotransformation of L-DOPA to 3-O-methyl-DOPA by inhibition of COMT. It is the potential for the treatment of Parkinson's disease.
Targets(IC50)	Others

### **Preparing Stock Solutions**

$\odot$	1mg	5mg 🛞	10mg
1 mM	3.6598 mL	18.2989 mL	36.5979 mL
5 mM	0.732 mL	3.6598 mL	7.3196 mL
10 mM	0.366 mL	1.8299 mL	3.6598 mL
50 mM	0.0732 mL	0.366 mL	0.732 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

#### Reference

Loureiro AI, et al. Human metabolism of nebicapone (BIA 3-202), a novel catechol-o-methyltransferase inhibitor: characterization of in vitro glucuronidation. Drug Metab Dispos. 2006 Nov;34(11):1856-62.

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