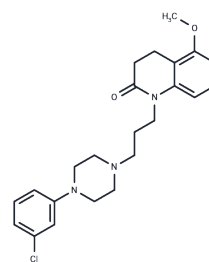


OPC-14523 free base

Chemical Properties

CAS No. :	145969-30-8
Formula:	C ₂₃ H ₂₈ ClN ₃ O ₂
Molecular Weight:	413.94
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	OPC-14523, a 5-HT _{1A} receptor agonist, is used potentially for the treatment of depression and neuropathic pain.
Targets(IC ₅₀)	Others,5-HT Receptor,Sigma receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4158 mL	12.079 mL	24.1581 mL
5 mM	0.4832 mL	2.4158 mL	4.8316 mL
10 mM	0.2416 mL	1.2079 mL	2.4158 mL
50 mM	0.0483 mL	0.2416 mL	0.4832 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Jordan S, Chen R, Koprivica V, Hamilton R, Whitehead RE, Tottori K, Kikuchi T. In vitro profile of the antidepressant candidate OPC-14523 at rat and human 5-HT1A receptors. *Eur J Pharmacol.* 2005 Jul 11;517(3):165-73. PubMed PMID: 15985260.

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Tottori K, Nakai M, Uwahodo Y, Miwa T, Yamada S, Oshiro Y, Kikuchi T, Altar CA. Attenuation of scopolamine-induced and age-associated memory impairments by the sigma and 5-hydroxytryptamine(1A) receptor agonist OPC-14523 (1-[3-[4-(3-chlorophenyl)-1-piperazinyl]propyl]-5-methoxy-3,4-dihydro-2[1H]-quino linone monomethanesulfonate). *J Pharmacol Exp Ther.* 2002 Apr;301(1):249-57. PubMed PMID: 11907181.

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