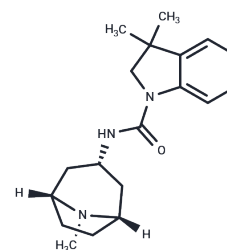


Ricasetron

Chemical Properties

CAS No. :	117086-68-7
Formula:	C ₁₉ H ₂₇ N ₃ O
Molecular Weight:	313.44
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	Ricasetron (Brl 46470) is a 5-HT ₃ receptor antagonist with pro-axonal lysis and antiemetic properties, and is used in the study of anxiety and anxiety disorders.
Targets(IC50)	5-HT Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1904 mL	15.952 mL	31.904 mL
5 mM	0.6381 mL	3.1904 mL	6.3808 mL
10 mM	0.319 mL	1.5952 mL	3.1904 mL
50 mM	0.0638 mL	0.319 mL	0.6381 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

- Fernández-Pastor B, et al. Involvement of serotonin 5-HT₃ receptors in the modulation of noradrenergic transmission by serotonin reuptake inhibitors: a microdialysis study in rat brain. *Psychopharmacology (Berl)*. 2013 Sep;229(2):331-44.
- Sanger GJ, et al. Constipation evoked by 5-HT₃-receptor antagonism: evidence for heterogeneous efficacy among different antagonists in guinea-pigs. *J Pharm Pharmacol*. 1994 Aug;46(8):666-70.
- Bermudez J, et al. Prolonged anti-emetic activity and 5-HT₃-receptor antagonism by BRL 46470 in conscious ferrets. *J Pharm Pharmacol*. 1994 Jun;46(6):520-1.
- Brady CA, et al. Pharmacological comparison of human homomeric 5-HT_{3A} receptors versus heteromeric 5-HT_{3A/3B} receptors. *Neuropharmacology*. 2001 Aug;41(2):282-4.

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