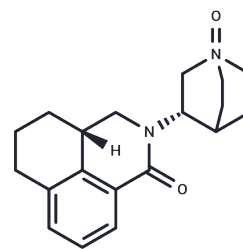


Palonosetron N-oxide

Chemical Properties

CAS No. :	813425-83-1
Formula:	C ₁₉ H ₂₄ N ₂ O ₂
Molecular Weight:	312.413
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Palonosetron N-oxide is a metabolite of the serotonin (5-HT) receptor subtype 5-HT ₃ antagonist palonosetron. It is also a potential impurity in palonosetron preparations. Palonosetron N-oxide is a degradation product formed by exposure to oxidative stress.
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Solubility Information

Solubility	Ethanol: 1 mg/mL DMSO: 30 mg/mL DMSO:PBS (pH 7.2) (1:4): 0.2 mg/mL DMF: 30 mg/mL (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2009 mL	16.0046 mL	32.0092 mL
5 mM	0.6402 mL	3.2009 mL	6.4018 mL
10 mM	0.3201 mL	1.6005 mL	3.2009 mL
50 mM	0.064 mL	0.3201 mL	0.6402 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

Stoltz, R.A., Cyong, J.-C., Shah, A., et al. Pharmacokinetic and safety evaluation of palonosetron, a 5-hydroxytryptamine-3 receptor antagonist, in U.S. and Japanese healthy subjects. *J. Clin. Pharmacol.* 44(5):520-531

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