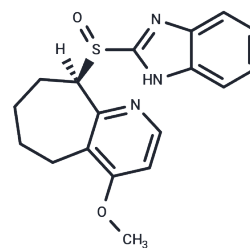


Nepaprazole

Chemical Properties

CAS No. :	156601-79-5
Formula:	C ₁₈ H ₁₉ N ₃ O ₂ S
Molecular Weight:	341.43
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Nepaprazole is a proton pump inhibitor. TY-11345 potently inhibited H ⁺ /K ⁽⁺⁾ -ATPase activity in isolated rabbit gastric mucosal microsomes, and the inhibitory effect was enhanced under weak acid conditions, the IC ₅₀ being 5.8 microM and 9.9 microM at pH 6.0 and pH 7.4, respectively.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9289 mL	14.6443 mL	29.2886 mL
5 mM	0.5858 mL	2.9289 mL	5.8577 mL
10 mM	0.2929 mL	1.4644 mL	2.9289 mL
50 mM	0.0586 mL	0.2929 mL	0.5858 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

Yamada S, Goto T, Yuasa S, Yamaguchi T, Kogi K. [Synthesis of stable solvates of monosodium 2-[R^{*}s,9S^{*})-(4-methoxy-6,7,8, 9-tetrahydro-5H-cyclohepta[b]pyridin-9-yl)sulfinyl]-1H-benzimidazole]. Yakugaku Zasshi. 1996

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