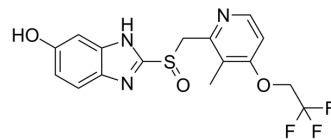


5-Hydroxylansoprazole

Cat. No.:	HY-118283		
CAS No.:	131926-98-2		
Molecular Formula:	C ₁₆ H ₁₄ F ₃ N ₃ O ₃ S		
Molecular Weight:	385.36		
Target:	Proton Pump		
Pathway:	Membrane Transporter/Ion Channel		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (324.37 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5950 mL	12.9749 mL	25.9498 mL
	5 mM	0.5190 mL	2.5950 mL	5.1900 mL
	10 mM	0.2595 mL	1.2975 mL	2.5950 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

5-Hydroxylansoprazole (AG1908) is an active metabolite of Lansoprazole in plasma. Lansoprazole is metabolized by CYP2C19 forming 5-Hydroxylansoprazole. Lansoprazole is a gastric proton-pump inhibitor and is effective in the treatment of various peptic diseases^{[1][2]}.

IC₅₀ & Target

Proton Pump^[1]

REFERENCES

[1]. Xu HR, et al. The effect of CYP2C19 activity on pharmacokinetics of lansoprazole and its active metabolites in healthy subjects. *Pharm Biol.* 2010 Aug;48(8):947-52. doi: 10.3109/13880200903300220.

[2]. Katarína Kostolanská, et al. Determination of lansoprazole, 5-hydroxylansoprazole, and lansoprazole sulfone in human plasma for CYP2C19 and CYP3A4 phenotyping. *Chemical Papers.* volume 73, pages2955–2963(2019).

Caution: Product has not been fully validated for medical applications. For research use only.

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