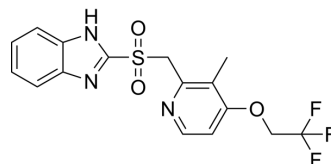


Lansoprazole sulfone

Cat. No.:	HY-W008614
CAS No.:	131926-99-3
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:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (648.74 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
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

Lansoprazole sulfone (AG-1813) is an orally active and selective inhibitor of H⁺, K⁺-ATPase. Lansoprazole sulfone can significantly stimulates gastric acid secretion by inhibiting H⁺, K⁺-ATPase. Lansoprazole sulfone has potential applications in duodenal ulcer, gastric ulcer, gastroesophageal reflux disease and Zollinger Ellison disease^{[1][2]}.

REFERENCES

- [1]. Swamy G, et al. Crystal structure of lansoprazole sulfone[J]. Journal of Structural Chemistry, 2007, 48: 715-718.
- [2]. Karol MD, et al. Lansoprazole pharmacokinetics in subjects with various degrees of kidney function. Clin Pharmacol Ther. 1997 Apr;61(4):450-8.

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

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