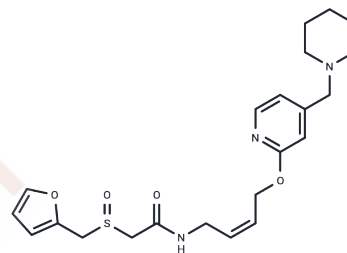


## Lafutidine

## Chemical Properties

CAS No. : 118288-08-7  
 Formula: C<sub>22</sub>H<sub>29</sub>N<sub>3</sub>O<sub>4</sub>S  
 Molecular Weight: 431.55  
 Appearance: no data available  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

Description	Lafutidine (FRG-8813) is a newly developed histamine H <sub>2</sub> -receptor antagonist that inhibits gastric acid secretion.
Targets(IC <sub>50</sub> )	5-HT Receptor,Histamine Receptor

## Solubility Information

Solubility	H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 80 mg/mL (185.38 mM),Sonication is recommended. Ethanol: 11 mg/mL (25.49 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3172 mL	11.5861 mL	23.1723 mL
5 mM	0.4634 mL	2.3172 mL	4.6345 mL
10 mM	0.2317 mL	1.1586 mL	2.3172 mL
50 mM	0.0463 mL	0.2317 mL	0.4634 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

Kim EH, et al. Dig Dis Sci. 2014 Dec 23.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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