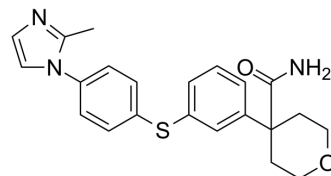


CJ-13,610

Cat. No.:	HY-106200		
CAS No.:	179420-17-8		
Molecular Formula:	C ₂₂ H ₂₃ N ₃ O ₂ S		
Molecular Weight:	393.5		
Target:	Lipoxygenase		
Pathway:	Metabolic Enzyme/Protease		
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 : 10 mg/mL (25.41 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5413 mL	12.7065 mL	25.4130 mL
5 mM	0.5083 mL	2.5413 mL	5.0826 mL
10 mM	0.2541 mL	1.2706 mL	2.5413 mL

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

BIOLOGICAL ACTIVITY

Description

CJ-13,610, a nonredox-type 5-LO inhibitor, dose dependently suppresses 5-LO product formation in ionophore A23187-stimulated PMNL in the absence of exogenous AA with an IC₅₀ of about 70 nM^[1]. PMNL: polymorphonuclear leukocytes; AA: arachidonic acid

REFERENCES

[1]. Fischer L, et al. Molecular pharmacological profile of the nonredox-type 5-lipoxygenase inhibitor CJ-13,610. Br J Pharmacol. 2004;142(5):861-868.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA