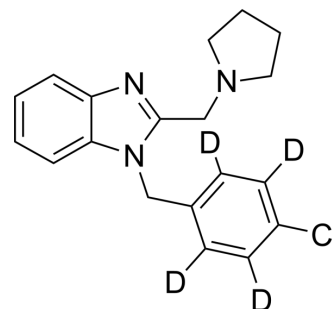


Clemizole-d₄

Cat. No.:	HY-30234S		
Molecular Formula:	C ₁₉ H ₁₆ D ₄ ClN ₃		
Molecular Weight:	329.86		
Target:	Histamine Receptor; HCV; TRP Channel		
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling; Anti-infection; 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 : 100 mg/mL (303.16 mM; ultrasonic and warming and heat to 80°C)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	3.0316 mL	15.1579 mL	30.3159 mL	
5 mM	0.6063 mL	3.0316 mL	6.0632 mL	
10 mM	0.3032 mL	1.5158 mL	3.0316 mL	

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

BIOLOGICAL ACTIVITY

Description

Clemizole-d₄ is a deuterium labeled Clemizole. Clemizole is an H1 histamine receptor antagonist, is found to substantially inhibit HCV replication^[1].

REFERENCES

[1]. Einav S, et al. Discovery of a hepatitis C target and its pharmacological inhibitors by microfluidic affinity analysis. Nat Biotechnol. 2008 Sep;26(9):1019-27

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

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