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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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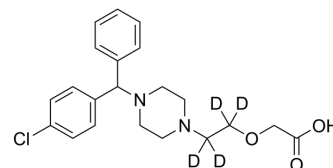
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Cetirizine-d₄

Cat. No.:	HY-17042S		
CAS No.:	1219803-84-5		
Molecular Formula:	C ₂₁ H ₂₁ D ₄ ClN ₂ O ₃		
Molecular Weight:	392.91		
Target:	Histamine Receptor		
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 250 mg/mL (636.28 mM; Need ultrasonic)

	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
Preparing Stock Solutions	1 mM		2.5451 mL	12.7256 mL	25.4511 mL
	5 mM		0.5090 mL	2.5451 mL	5.0902 mL
	10 mM		0.2545 mL	1.2726 mL	2.5451 mL

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

BIOLOGICAL ACTIVITY

Description	Cetirizine-d ₄ is a deuterium labeled Cetirizine. Cetirizine, a second-generation antihistamine and the carboxylated metabolite of hydroxyzine, is a specific, orally active and long-acting histamine H ₁ -receptor antagonist. Cetirizine marks antiallergic properties and inhibits eosinophil chemotaxis during the allergic response[1][2][3].
IC₅₀ & Target	H ₁ Receptor

REFERENCES

- [1]. Caroline M. Spencer, et al. Cetirizine. Drugs 46 (6): 1055•1080, 1993.
- [2]. Shih MY, et al. Influence of cetirizine and levocetirizine on two cytokines secretion in human airway epithelial cells. Allergy Asthma Proc. 2008 Sep-Oct;29(5):480-5.
- [3]. Shimizu T, et al. Cetirizine, an H₁-receptor antagonist, suppresses the expression of macrophage migration inhibitory factor: its potential anti-inflammatory action. Clin Exp Allergy. 2004 Jan;34(1):103-9.

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

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