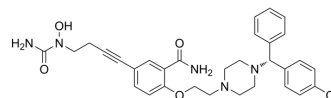


UCB-35440

Cat. No.:	HY-19443
CAS No.:	299460-62-1
Molecular Formula:	C ₃₁ H ₃₄ ClN ₅ O ₄
Molecular Weight:	576.09
Target:	Histamine Receptor; Lipoxygenase
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

UCB-35440 is an orally active histamine H1 receptor antagonist and 5-lipoxygenase inhibitor. UCB-35440 inhibits LTB₄ formation in human whole blood and reduces polymorphonuclear cell infiltration in mouse models. UCB-35440 inhibits histamine-stimulated bronchoconstriction and reduces skin inflammation in guinea pigs. UCB-35440 can be used for research on asthma and skin inflammation^{[1][2]}.

REFERENCES

[1]. Giannaras A, et al. The effect of a novel, dual function histamine H1 receptor antagonist/5-lipoxygenase enzyme inhibitor on in vivo dermal inflammation and extravasation. *Eur J Pharmacol.* 2005 Jan 4;506(3):265-71.

[2]. Oliver Werz, et al. Pharmacological intervention with 5-lipoxygenase: new insights and novel compounds. *Expert Opin Ther Patents.* 2005 May 10; 15(5):505-519.

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

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