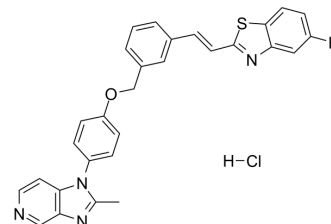


CP-96021 hydrochloride

Cat. No.:	HY-101731
CAS No.:	167011-22-5
Molecular Formula:	C ₂₉ H ₂₂ ClFN ₄ OS
Molecular Weight:	529.03
Target:	Leukotriene Receptor
Pathway:	GPCR/G Protein
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CP-96021 hydrochloride is a balanced, combined, potent and orally active leukotriene D ₄ (LTD ₄)/platelet activating factor (PAF) receptor antagonist with K _i values of 34 nM and 37 nM, respectively ^[1] .	
IC₅₀ & Target	LTC ₄ 34 nM (K _i)	Platelet activating factor (PAF) receptor 37 nM (K _i)
In Vivo	In vivo, CP-96021 inhibits iv LTD ₄ - and iv PAF-induced bronchoconstriction in guinea pigs with ED ₅₀ s of 0.46 and 0.16 mg/kg p.o. respectively. CP-96021 effectively blocks the combined airway obstructive effects of endogenously released PAF and LTD ₄ stimulated by aerosolized antigen challenge in guinea pigs with an ED ₅₀ s of 1.8 mg/kg p.o. ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. A. Marfat, et al. The discovery of CP-96,021 and CP-96,486, balanced, combined, potent and orally active leukotriene D₄ (LTD₄)/platelet activating factor (PAF) receptor antagonists. *Bioorganic & Medicinal Chemistry Letters*. 1995, 5 (13): 1377-1382.

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

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