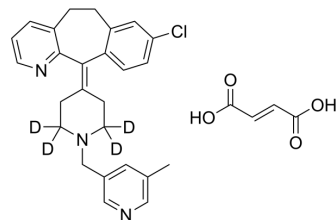


Rupatadine-d₄ fumarate

Cat. No.:	HY-13511AS
CAS No.:	1795153-63-7
Molecular Formula:	C ₃₀ H ₂₆ D ₄ ClN ₃ O ₄
Molecular Weight:	536.05
Target:	Histamine Receptor; Autophagy; Isotope-Labeled Compounds
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling; Autophagy; Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Rupatadine-d ₄ (fumarate) is a deuterium labeled Rupatadine fumarate. Rupatadine Fumarate (UR-12592 Fumarate) is a potent dual PAF/H1 antagonist with Ki of 0.55/0.1 μM (rabbit platelet membranes/guinea pig cerebellum membranes)[1][2][3].
IC₅₀ & Target	H ₁ Receptor

REFERENCES

- [1]. Merlos M, et al. Rupatadine, a new potent, orally active dual antagonist of histamine and platelet-activating factor (PAF). *J Pharmacol Exp Ther*. 1997 Jan;280(1):114-21.
- [2]. Queralt M, et al. In vitro inhibitory effect of rupatadine on histamine and TNF-alpha release from dispersed canine skin mast cells and the human mast cell line HMC-1. *Inflamm Res*. 2000 Jul;49(7):355-60.
- [3]. Lv XX, et al. Rupatadine protects against pulmonary fibrosis by attenuating PAF-mediated senescence in rodents. *PLoS One*. 2013 Jul 15;8(7):e68631.

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

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