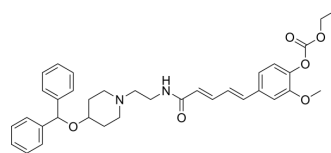


## Linetastine

Cat. No.:	HY-123103
CAS No.:	159776-68-8
Molecular Formula:	C <sub>35</sub> H <sub>40</sub> N <sub>2</sub> O <sub>6</sub>
Molecular Weight:	584.7
Target:	Lipoxygenase; Histamine Receptor
Pathway:	Metabolic Enzyme/Protease; GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Linetastine is an orally active and potent 5-Lipoxygenase inhibitor. Linetastine shows antihistamine activity. Linetastine inhibits leukotriene production and antagonizes the effect of histamine. Linetastine inhibits the release of leukotrienes B4 and C4 from calcium ionophore-stimulated human leukocytes <sup>[1]</sup> .	
IC <sub>50</sub> & Target	5-Lipoxygenase	Histamine Receptor
In Vivo	Linetastine inhibits histamine-induced bronchoconstriction dose-dependently at 1-10 mg/kg (p.o.) in guinea-pigs, and the effect lasts for more than 24 h <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

### REFERENCES

[1]. Shizawa T, et al. 5-Lipoxygenase inhibitory and antihistamine activities of linetastine. *Arzneimittelforschung*. 1996 Nov;46(11):1072-6.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA