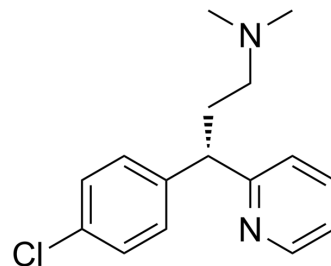


Dexchlorpheniramine

Cat. No.:	HY-117501
CAS No.:	25523-97-1
Molecular Formula:	C ₁₆ H ₁₉ ClN ₂
Molecular Weight:	274.79
Target:	Histamine Receptor
Pathway:	GPCR/G Protein; Immunology/Inflammation; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Dexchlorpheniramine is a potent and blood-brain barrier (BBB) penetrant histamine 1 (H1) receptor antagonist with anticholinergic properties. Dexchlorpheniramine can be used for researching allergies ^[1] .
In Vivo	Dexchlorpheniramine (2-10 mg/kg; IP, single dosage) and Ranitidine (10-50 mg/kg) co-administration can simultaneously block H1 and H2 receptors, and protect both the cortical plate and the white matter against the excitotoxic challenge in Swiss pups pretreated with IL-9 ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Patkai J, et al. Deleterious effects of IL-9-activated mast cells and neuroprotection by antihistamine drugs in the developing mouse brain. *Pediatr Res*. 2001 Aug;50(2):222-30.

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

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