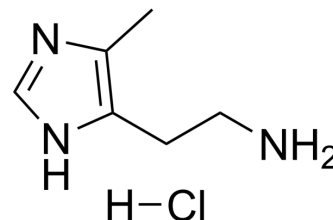


## 4-Methylhistamine hydrochloride

Cat. No.:	HY-W580721A
CAS No.:	84103-51-5
Molecular Formula:	C <sub>6</sub> H <sub>12</sub> ClN <sub>3</sub>
Molecular Weight:	161.63
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

4-Methylhistamine (hydrochloride) is a potent, high affinity H<sub>4</sub> receptor agonist K<sub>i</sub> of 7 nM. 4-Methylhistamine (hydrochloride) displays more than 100-fold selectivity over other human histamine receptor subtypes<sup>[1]</sup>.

### REFERENCES

[1]. Lim HD, et.al. Evaluation of histamine H<sub>1</sub>-, H<sub>2</sub>-, and H<sub>3</sub>-receptor ligands at the human histamine H<sub>4</sub> receptor: identification of 4-methylhistamine as the first potent and selective H<sub>4</sub> receptor agonist. J Pharmacol Exp Ther. 2005 Sep;314(3):1310-21.

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

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