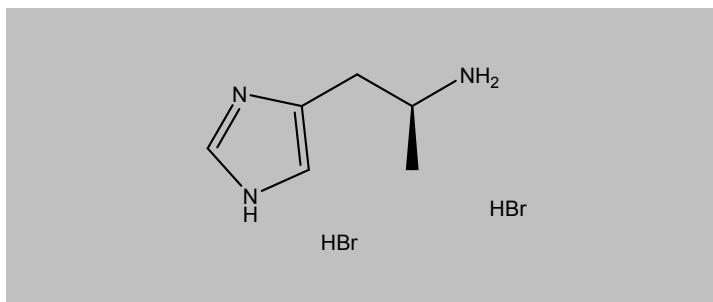


**Certificate Of Analysis**  
**Quality Control Testing and Research Application**COA Preparation Date: 24/10/2014  
COA Revision Date: 24/10/2017

**Product:** (S)-(+)- $\alpha$ -Methylhistamine dihydrobromide  
**Cat. No.:** BN0333  
**Batch No.:** 0333BN/01  
**Chemical Name:** (S)-(+)- $\alpha$ -Methyl-1*H*-imidazole-4-ethanamine dihydrobromide

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>6</sub>H<sub>11</sub>N<sub>3</sub> .2HBr  
**Batch Molecular Weight:** 287.00  
**CAS No.:** [75614-93-6]  
**Physical Appearance:** White solid  
**Melting Point:** 181° C  
**Solubility:** Soluble to 100 mM in water  
**Storage:** Desiccate at RT  
**Batch Molecular Structure:**



**Product Description:** Histamine H<sub>3</sub> receptor agonist (K<sub>i</sub> = 50 nM). Less active enantiomer of *R*-(-)- $\alpha$ -Methylhistamine (Cat. No. BN0332).

**References:** 1. Hill (1990) Pharmacol Rev 42:45; 2. Ligneau et al. (1994) J Pharmacol Exp Ther 271:452

- CAUTION - Not fully tested. For Research use only. Not for human use. -

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**BN0333 (S)-(+)- $\alpha$ -Methylhistamine dihydrobromide**

**2. ANALYTICAL DATA**

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Optical rotation: +3° ( $[\alpha]_D$ , concentration = 1, solvent = H<sub>2</sub>O) (complies); HPLC Assay: > 99% (complies).

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