

## Certificate Of Analysis

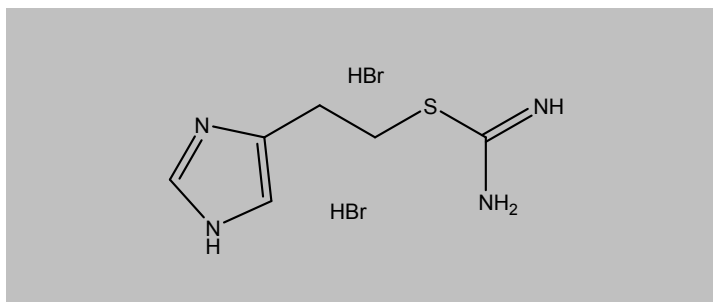
### Quality Control Testing and Research Application

COA Preparation Date: 23/10/2014  
COA Revision Date: 23/10/2017

**Product:** Imetit dihydrobromide  
**Cat. No.:** BN0270  
**Batch No.:** 0270BN/01  
**Chemical Name:** 5-[2-(Imidazol-4-yl)ethyl]isothiourea dihydrobromide

#### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>6</sub>H<sub>10</sub>N<sub>4</sub>S .2HBr  
**Batch Molecular Weight:** 332.06  
**CAS No.:** [102203-18-9]  
**Physical Appearance:** Off-white solid  
**Melting Point:** 212 - 213° C  
**Solubility:** Soluble to 15 mM in water  
**Storage:** Desiccate at RT  
**Batch Molecular Structure:**



**Product Description:** Potent, high affinity agonist at histamine H<sub>3</sub> and H<sub>4</sub> receptors (K<sub>i</sub> values are 0.3 and 2.7 nM at human recombinant H<sub>3</sub> and H<sub>4</sub> receptors respectively).

**References:** 1. Garbarg et al. (1992) J Pharmacol Exp Ther 263:304; 2. Liu et al. (2001) Mol Pharmacol 59:420

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



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**BN0270 Imetit dihydrobromide**

**2. ANALYTICAL DATA**

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: HPLC Assay: 99% (complies).

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