

## Certificate Of Analysis

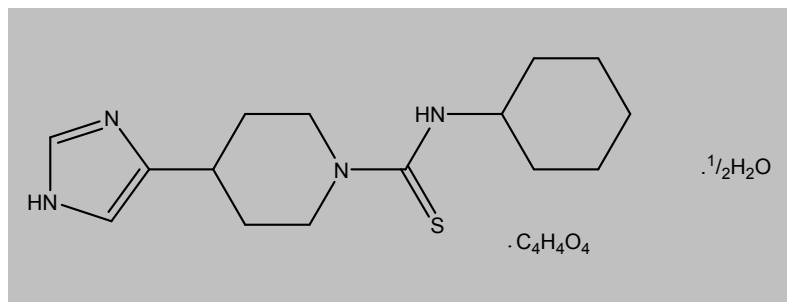
### Quality Control Testing and Research Application

COA Preparation Date: 30/10/2014  
 COA Revision Date: 30/10/2017

**Product:** Thioperamide maleate  
**Cat. No.:** BN0519  
**Batch No.:** 0519BN/01  
**Chemical Name:** N-Cyclohexyl-4-(imidazol-4-yl)-1-piperidinecarbothioamide maleate

#### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>15</sub>H<sub>24</sub>N<sub>4</sub>S · C<sub>4</sub>H<sub>4</sub>O<sub>4</sub> · ½H<sub>2</sub>O  
**Batch Molecular Weight:** 417.53  
**CAS No.:** [106243-16-7]  
**Physical Appearance:** White solid  
**Melting Point:**  
**Solubility:** Soluble to 50 mM in water  
**Storage:** RT  
**Batch Molecular Structure:**



**Product Description:** Potent histamine H<sub>3</sub> and H<sub>4</sub> antagonist (K<sub>i</sub> values are 25 and 27 nM for human recombinant histamine H<sub>3</sub> and H<sub>4</sub> receptors respectively). Blocks eosinophil shape change (IC<sub>50</sub> = 1.4 μM) and chemotaxis (IC<sub>50</sub> = 519 nM) induced by histamine.

**References:** 1. Hew et al. (1990) Br J Pharmacol 101:621; 2. Lecklin et al. (1998) Brain Res 793:279; 3. Liu et al. (2001) Mol Pharmacol 59:420; 4. Ling et al. (2004) Br J Pharmacol 142:161; 5. Stark et al. (2004) Mini Rev Med Chem 4:965

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



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**BN0519 Thioperamide maleate**

**2. ANALYTICAL DATA**

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: HPLC Assay: > 99% (complies).

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