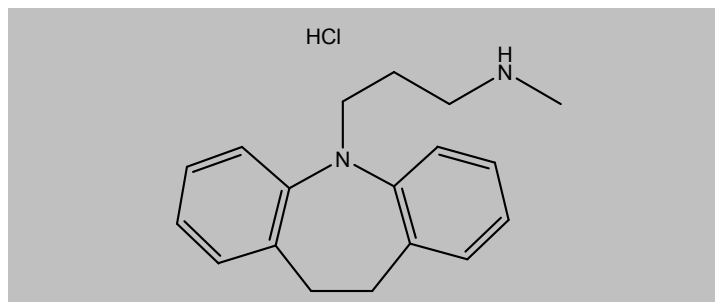


**Certificate Of Analysis**  
**Quality Control Testing and Research Application**COA Preparation Date: 23/09/2016  
COA Revision Date: 23/09/2019

**Product:** Desipramine hydrochloride  
**Cat. No.:** BG0162  
**Batch No.:** 0162BG/01  
**Chemical Name:** 10,11-Dihydro-5-(3-methylaminopropyl)-5H-dibenz[b,f]azepine hydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>18</sub>H<sub>22</sub>N<sub>2</sub> .HCl  
**Batch Molecular Weight:** 302.84  
**CAS No.:** [58-28-6]  
**Physical Appearance:** White to off-white crystalline powder  
**Melting Point:** 213° C  
**Solubility:** Soluble to 50 mM in water  
**Storage:** RT  
**Batch Molecular Structure:**



**Product Description:** Tricyclic antidepressant that is a more potent Noradrenaline transporter inhibitor ( $K_i = 4$  nM) than a Serotonin transporter inhibitor ( $K_i = 61$  nM).

**References:** 1. Zhu et al. (1998) J Neurochem 70:1547; 2. Okugawa et al. (1999) J Neuroendocrinol 11:887; 3. Smith and Levi (1999) J Pharmacol Exp Ther 291:456; 4. Torres et al. (2003) Nat Rev Neurosci 4:13

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

## Certificate Of Analysis

### Quality Control Testing and Research Application

COA Preparation Date: 23/09/2016  
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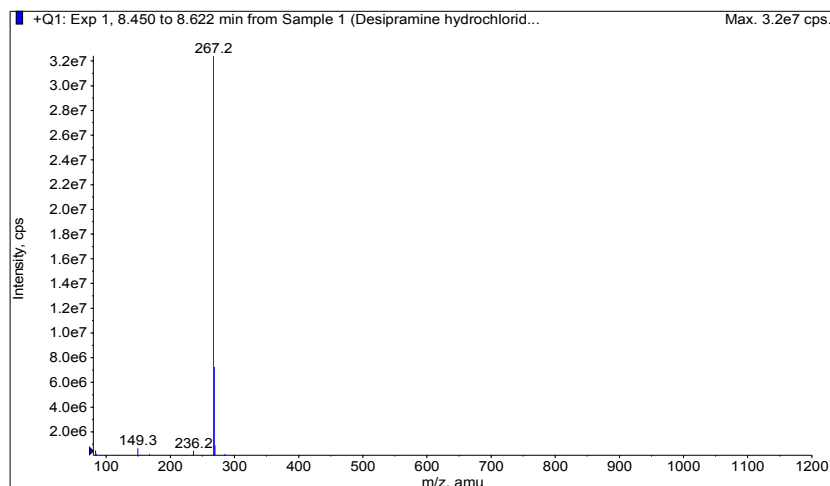
**BG0162 Desipramine hydrochloride**

#### 2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Loss on drying: 0.1% (complies); Residue on ignition: 0.06% (complies);  
Heavy Metals: < 10 ppm (complies); HPLC Assay: 99.9% (complies).



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