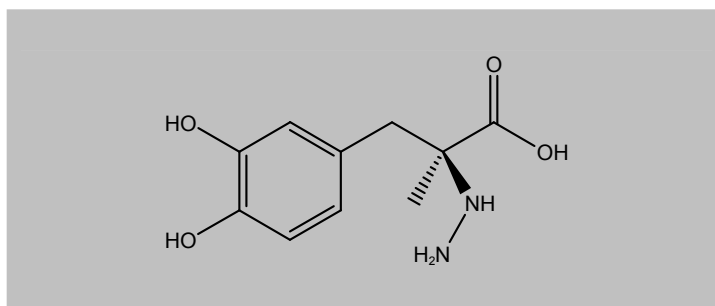


**Certificate Of Analysis**  
**Quality Control Testing and Research Application**COA Preparation Date: 13/09/2013  
COA Revision Date: 13/09/2016

**Product:** Carbidopa  
**Cat. No.:** BG0127  
**Batch No.:** 0127BG/01  
**Chemical Name:** S-(-)- $\alpha$ -Hydrazino-3,4-dihydroxy-2-methylbenzene-propanoic acid; S-(-)-Carbidopa

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>  
**Batch Molecular Weight:** 226.23  
**CAS No.:** [28860-95-9]  
**Physical Appearance:** White or almost white powder  
**Melting Point:** 203 - 205° C  
**Solubility:** Soluble to 10 mM in ethanol  
**Storage:** RT  
**Batch Molecular Structure:**



**Product Description:** Peripheral inhibitor of L-Aromatic Amino Acid Decarboxylase, used in combination with Levodopa for the treatment of Parkinsonism.

**References:** 1. Kopffhammer et al. (1985) Pharmacopsychiatry 18:143; 2. Cheng et al. (1992) FASEB J 6:A1589

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

## Certificate Of Analysis

### Quality Control Testing and Research Application

COA Preparation Date: 13/09/2013  
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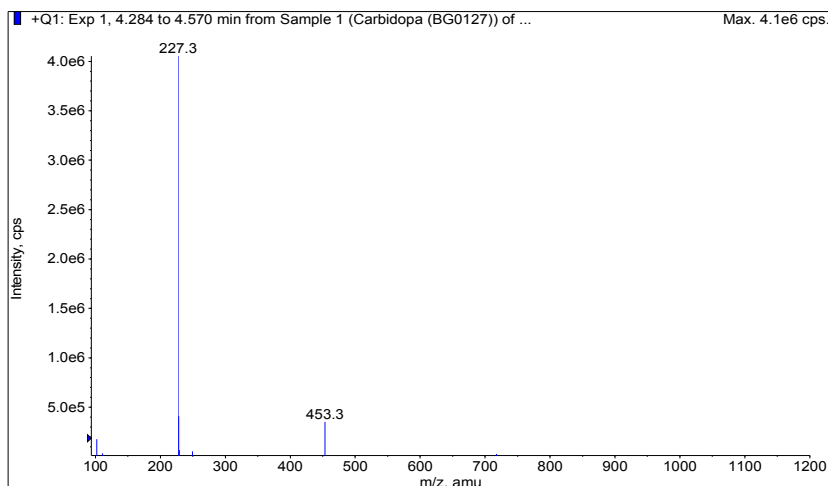
**BG0127 Carbidopa**

## 2. ANALYTICAL DATA

HPLC: corresponds to the reference

MS: corresponds to the reference

Tests: Specific rotation:  $-22.5^\circ$  (complies); Residue on ignition: 0.05% (complies);  
Heavy Metals: < 10 ppm (complies); HPLC Assay: 98.8% (complies).



Time (min) 4.36  
M+H<sup>+</sup> at m/z 227.3, a dimer at m/z 453.3.

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