

## Certificate of Analysis

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**Product Name:** (±)-1-(1,2-Diphenylethyl)piperidine maleate

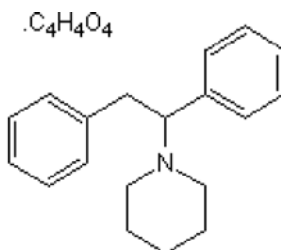
**Catalog No.:** 0360

**Batch No.:** 1

**CAS Number:** 207461-99-2

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>19</sub>H<sub>23</sub>N.C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>  
**Batch Molecular Weight:** 381.47  
**Physical Appearance:** Cream crystalline solid  
**Solubility:** water to 10 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**Melting Point:** Between 164 - 166°C  
**<sup>1</sup>H NMR:** Consistent with structure

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## Product Information

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**Product Name:** (±)-1-(1,2-Diphenylethyl)piperidine maleate

**Catalog No.:** 0360

**Batch No.:** 1

**CAS Number:** 207461-99-2

### Description:

High affinity antagonist at the ion channel on the NMDA receptor.

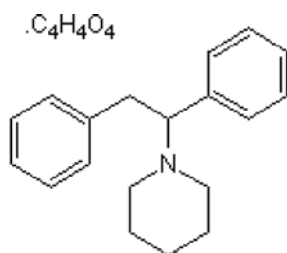
### Physical and Chemical Properties:

Batch Molecular Formula: C<sub>19</sub>H<sub>23</sub>N.C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>

Batch Molecular Weight: 381.47

Physical Appearance: Cream crystalline solid

### Batch Molecular Structure:



**Storage:** Store at RT

### Solubility & Usage Info:

water to 10 mM

### Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

### References:

**Ragawski** (1993) Therapeutic potential of excitatory amino acid antagonists: channel blockers and 2,3-benzodiazepines. *TIPS* **14** 325. PMID: 7504360.

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