

## Certificate Of Analysis

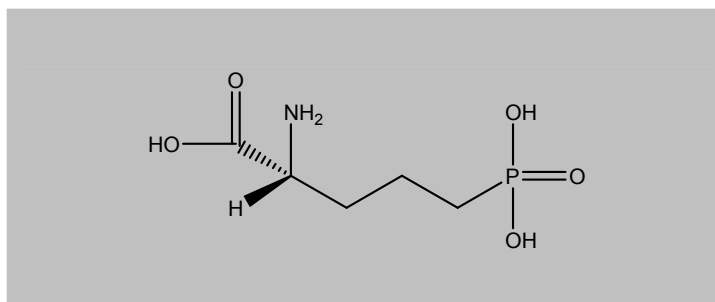
### Quality Control Testing and Research Application

COA Preparation Date: 10/12/2013  
COA Revision Date: 10/12/2016

**Product:** D-AP5  
**Cat. No.:** BN0085  
**Batch No.:** 0085BN/13  
**Chemical Name:** D-(-)-2-Amino-5-phosphonopentanoic acid

#### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>5</sub>H<sub>12</sub>NO<sub>5</sub>P  
**Batch Molecular Weight:** 197.13  
**CAS No.:** [79055-68-8]  
**Physical Appearance:** White to off-white solid  
**Melting Point:**  
**Solubility:** Soluble to 100 mM in water  
**Storage:** RT  
**Batch Molecular Structure:**



**Product Description:** **Competitive NMDA receptor antagonist. More active enantiomer of AP5. Shows also agonistic activity at the Quisqualate-sensitised AP6 site in the hippocampus, where it is less potent than the L-isomer (Cat. No. BN0087).**

**References:** 1. Evans et al. (1982) Br J Pharmacol 75:65; 2. Davies and Watkins (1982) Brain Res 235:378; 3. Schulte et al. (1994) Brain Res 649:203

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



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**BN0085 D-AP5**

**2. ANALYTICAL DATA**

HPLC: corresponds to the reference

MS: corresponds to the reference

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

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