

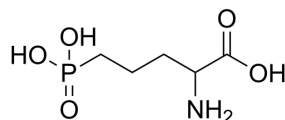
## DL-AP5

Cat. No.: HY-100714  
 CAS No.: 76326-31-3  
 Batch No.: 306530  
 Chemical Name: Norvaline, 5-phosphono-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_5H_{12}NO_5P$   
 Molecular Weight: 197.13  
 Storage: Powder -20°C 3 years  
 In solvent -80°C 6 months  
 -20°C 1 month

Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
 $^1H$  NMR Spectrum: Consistent with structure  
 MS: Consistent with structure  
 Purity (NMR):  $\geq 98.0\%$   
 Conclusion: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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