

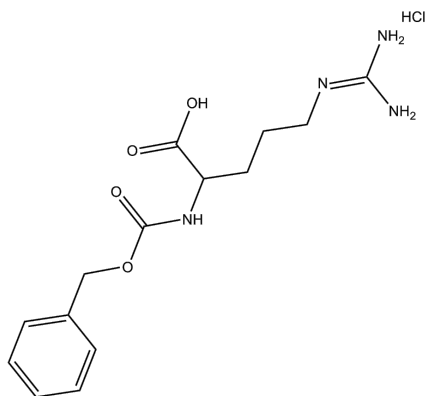
## Certificate of Analysis

Product Name: Z-D-Arg-OH.HCl  
Cat. No.: GA10007  
Batch No.: 1  
Chemical Name: (2R)-5-(diaminomethylideneamino)-2-(phenylmethoxycarbonylamino)pentanoic acid;hydrochloride

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: N/A  
Molecular Formula:  $C_{14}H_{20}N_4O_4.HCl$   
Molecular Weight: 344.8  
Storage:

Chemical Structure:



### ANALYTICAL DATA

Appearance: solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >98%  
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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