

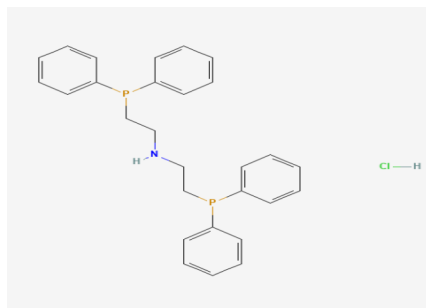
## Certificate of Analysis

Product Name: Bis[2-(diphenylphosphino)ethyl]ammonium chloride  
Cat. No.: GD03330  
Batch No.: 1  
Chemical Name:

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 66534-97-2  
Molecular Formula: C<sub>28</sub>H<sub>30</sub>ClNP<sub>2</sub>  
Molecular Weight: 477.945  
Storage: argon filling

Chemical Structure:



### ANALYTICAL DATA

Appearance: A solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >97.00%  
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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