

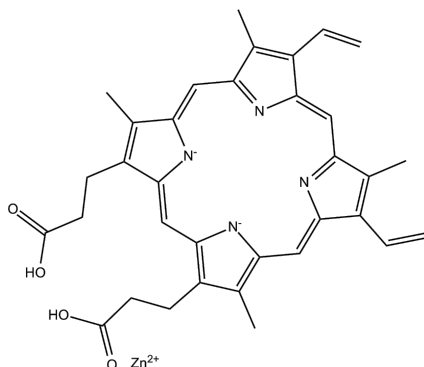
## Certificate of Analysis

Product Name: Zinc protoporphyrin IX  
Cat. No.: GC11208  
Batch No.: 6  
Chemical Name: zinc;3-[18-(2-carboxyethyl)-8,13-bis(ethenyl)-3,7,12,17-tetramethylporphyrin-21,24-diyl-2-yl]propanoic acid

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 15442-64-5  
Molecular Formula:  $C_{34}H_{32}N_4O_4Zn$   
Molecular Weight: 626.03  
Storage: Store at  $-20^{\circ}C$ , sealed storage, away from moisture

Chemical Structure:



### ANALYTICAL DATA

Appearance: A solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >98.00%  
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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