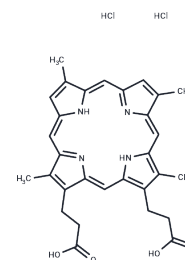


## Deuteroporphyrin IX dihydrochloride

### Chemical Properties

CAS No. : 68929-05-5  
 Formula: C<sub>30</sub>H<sub>32</sub>Cl<sub>2</sub>N<sub>4</sub>O<sub>4</sub>  
 Molecular Weight: 583.51  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
*Actual storage temperature shall be subject to the COA.*



### Biological Description

Description	Deuteroporphyrin IX (dihydrochloride) is a photosensitizer known for its high lipophilicity and amphiphilicity, which enables it to impart photosensitivity to cell membrane systems. Additionally, Deuteroporphyrin IX (dihydrochloride) can induce irreversible discharge elimination in individual neurons.
Targets(IC50)	Photosensitizer

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7138 mL	8.5688 mL	17.1377 mL
5 mM	0.3428 mL	1.7138 mL	3.4275 mL
10 mM	0.1714 mL	0.8569 mL	1.7138 mL
50 mM	0.0343 mL	0.1714 mL	0.3428 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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