**Product Name:** Mesoporphyrin IX dihydrochloride

**Catalog Number:** M566-9

**Molecular Weight:** 639.6 g/mol

**Molecular Formula:** C\textsubscript{34}H\textsubscript{38}N\textsubscript{4}O\textsubscript{4} 2HCl

**CAS Number:** 68938-72-7

**Sizes Available:** 10 mg, 25 mg, 50 mg, 100 mg, 250 mg and larger sizes available

**Storage:** Store at room temperature and protect from light.

**Synonyms:** Mesoporphyrin IX, Mesoporphyrin, MPIX, 493-90-3


**Field of Interest:** Natural Porphyrin, Catalyst, Radical Scavenger
**Background:** Mesoporphyrin IX dihydrochloride is a natural product and fine chemical that has photodynamic activities, while derivatives are potent photosensitizers used in medicine\(^1\)\(^-\)\(^4\).

**References:**


2) He, Chunbai; Duan, Xiaopin; Guo, Nining; Chan, Christina; Poon, Christopher; Weichselbaum, Ralph R.; Lin, Wenbin, Core-shell nanoscale coordination polymers combine chemotherapy and photodynamic therapy to potentiate checkpoint blockade cancer immunotherapy, Nature Communications (2016), 7, 12499. DOI:10.1038/ncomms12499

3) Bellnier, David A.; Greco, William R.; Loewen, Gregory M.; Nava, Hector; Oseroff, Allan R.; Pandey, Ravindra K.; Tsuchida, Takaaki; Dougherty, Thomas J., Population Pharmacokinetics of the Photodynamic Therapy Agent 2-[1-Hexyloxyethyl]-2-devinyl Pyropheophorbide-a in Cancer Patients, Cancer Research (2003), 63(8), 1806-1813


**Hazardous Properties and Cautions:** The toxicological and pharmacological properties of this compound are not fully known. For further information see the SDS on request. Mesoporphyrin IX dihydrochloride is manufactured, shipped according to standard practices, and intended for research and development in a laboratory utilizing prudent procedures for handling chemicals of unknown toxicity, under the supervision of persons technically qualified to evaluate potential risks and authorized to enforce appropriate health and safety measures. As with all research chemicals, precautions should be taken to avoid unnecessary exposures or risks.

**Warranty and Disclaimer:** Frontier Specialty Chemicals, Inc. warrants the product conforms to the specifications stated herein. For further information see the SDS on request. Mesoporphyrin IX dihydrochloride is manufactured, shipped according to standard practices, and intended for research and development in a laboratory utilizing prudent procedures for handling chemicals of unknown toxicity, under the supervision of persons technically qualified to evaluate potential risks and authorized to enforce appropriate health and safety measures. As with all research chemicals, precautions should be taken to avoid unnecessary exposures or risks.