Product Name: Coproporphyrin III dihydrochloride

Catalog Number: C654-3

Sizes Available: 10 mg, 100mg, and larger sizes available

Molecular weight: 727.63 g/mol

Molecular Formula: C₃₆H₃₈N₄O₈ • 2HCl

CAS Number: 14643-66-4

Storage: Store at –20 °C, under dry conditions.

Synonyms: Coproporphyrin III, 14643-66-4, Zincphyrin, 21H,23H-Porphine-2,7,12,18-tetrapropanoic acid, 3,8,13,17-tetramethyl-, Zinc coproporphyrin III, 3,8,13,17-tetramethylporphyrin-2,7,12,18-tetrapropanoic acid, Koproporphyrin, Koproporphyrin III

Field of Interest: Heme Metabolism, Rare Diseases, Porphyrias, Mitochondria

Background: Coproporphyrin a porphyrin based metabolic product of heme catabolism implicated in porphyria diseases and in heavy metal exposure. The fine chemical has photosensitizing properties and has shown to form ordered micelles and aggregates under aqueous conditions.

References:


4) Brown, Stanley B.; Shillcock, Margaret; Jones, Peter, Equilibrium and kinetic studies of the aggregation of porphyrins in aqueous solution, Biochemical Journal (1976), 153(2), 279-85.

Language: English, Database: CAPLUS, DOI:10.1042/bj1530279.

Hazardous Properties and Cautions: The toxicological and pharmacological properties of this compound are not fully known. For further information see the MSDS on request. Coproporphyrin III 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.

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