

FRONTIER
SPECIALTY CHEMICALS
Pure and (not so) simple

Frontier Specialty Chemicals, Inc. **Technical Data Sheet**
P.O. Box 31
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Phone: 1-435-753-1901

Catalog Number: **C654-1**

www.frontiersci.com

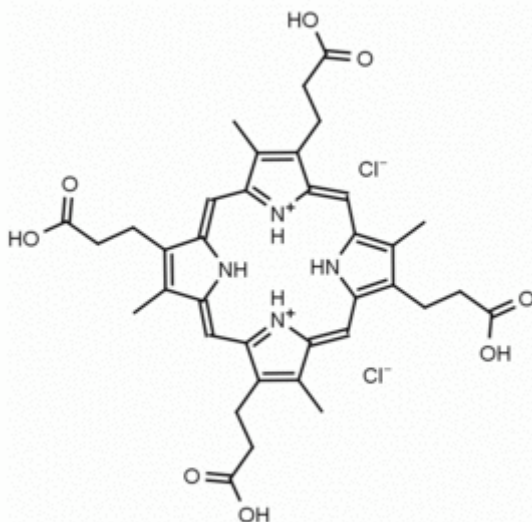
sales@frontiersci.com

For research use only

Not intended or approved for
diagnostic or therapeutic use.

Product Name: Coproporphyrin I dihydrochloride

Catalog Number: C654-1



Sizes Available: 25 mg, 100 mg and larger sizes available

Molecular weight: 727.63 g/mol

Molecular Formula: C₃₆H₃₈N₄O₈ 2HCl

CAS Number: CAS: 69477-27-6

Storage: Store at room temperature, protected from light

Synonyms: Coproporphyrin I, 531-14-6, 21H,23H-Porphine-2,7,12,17-tetrapropanoic acid, 3,8,13,18-tetramethyl-3,8,13,18-Tetramethyl-21H,23H-porphine-2,7,12,17-tetrapropionic acid, 3-[7,12,17-tris(2-carboxyethyl)-3,8,13,18-tetramethyl-21,22-

dihydroporphyrin-2-yl]propanoic acid, Coporphyrin, Koproporphyrin I, EINECS 208-502-3, NSC 267073, C05769,, SCHEMBL578775, SCHEMBL578776, CHEBI:28421

Fields of Interest

Biomarker for Autism and Mercury Metal Exposure

[Biomarkers of environmental toxicity and susceptibility in autism](#)

Geier, David A., Kern, Janet K., Garver, Carolyn R., Adams, James B., Audhya, Tapan, Nataf, Robert, Geier, Mark R., Journal of the Neurological Sciences (2009), 280(1-2), DOI:10.1016/j.jns.2008.08.021

Hepatic Function

[Biliary fibrosis associated with altered bile composition in a mouse model of erythropoietic protoporphyria](#)

Meerman, Leo, Koopen, Nynke R., Bloks, Vincent, Van Goor, Harry, Havinga, Rick, Wolthers, Bert G., Kramer, Werner, Stengelin, Siegfried, Muller, Michael, Kuipers, Folkert, et al Gastroenterology (1999), 117(3), 696-705. DOI:10.1016/S0016-5085(99)70464-6

Photophysics studies

[Synthesis and structural stability of helichrome as an artificial heme proteins](#)

Sasaki, Tomikazu, Kaiser, Emil Thomas Biopolymers (1990), 29(1), 79-88. DOI:10.1002/bip.360290112

Nano Assemblies

[Solid-state photovoltaic thin films using TiO₂, organic dyes, and layer-by-layer polyelectrolyte nanocomposites](#)

Tokuhisa, Hiroaki, Hammond, Paula T. Advanced Functional Materials (2003), 13(11), 831-839. DOI:10.1002/adfm.200304404

Photodynamic Therapy

[Helicobacter pylori accumulates photoactive porphyrins and is killed by visible light](#), Hamblin, Michael R., Viveiros, Jennifer, Yang, Changming, Ahmadi, Atosa, Ganz, Robert A., Tolkoﬀ, M. Joshua, Antimicrobial Agents and Chemotherapy (2005), 49(7), 2822-2827.

DOI:10.1128/AAC.49.7.2822-2827.2005

Hazardous Properties and Cautions: The toxicological and pharmacological properties of this compound are not fully known. For further information see the SDS on request. **Coproporphyrin I** 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. In the event of nonconformity, Frontier will replace products or refund purchase price, at its sole option, and Frontier shall not be responsible for any other loss or damage, whether known or foreseeable to Frontier. No other warranties apply, express or implied, including but not limited to warranty of fitness for any purpose or implied warranty of merchantability. Purchaser is solely responsible for all consequences of its use of the product and Frontier assumes no responsibility therefore, including success of purchaser's research and development, or health or safety of any uses of the product.

