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Frontier Specialty Chemicals, Inc. **Technical Data Sheet**
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Catalog Number: **T40904**

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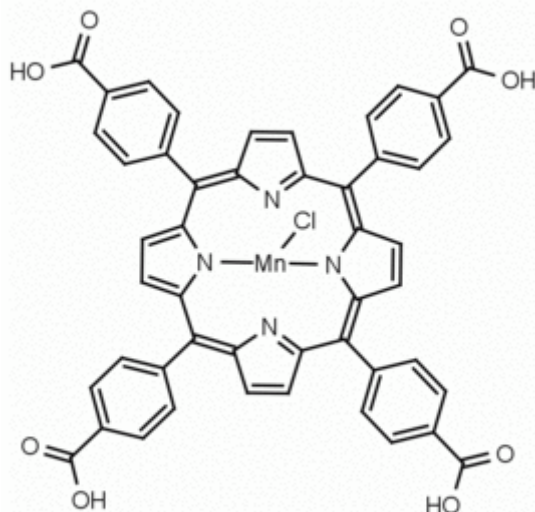
sales@frontiersci.com

For research use only

Not intended or approved for
diagnostic or therapeutic use.

Product Name: Mn(III) meso-Tetra (4-carboxyphenyl) porphine chloride

Catalog Number: T40904



Sizes Available: 25 mg, 100 mg, 500 mg, 1g and larger sizes available

Molecular weight: 879.2 g/mol

Molecular Formula: C₄₈H₂₈MnNO₈Cl

CAS Number: 55266-18-7

Storage: Store at room temperature, protect from light

Synonyms: mntbap, Bio2_000348, Mn(III) Meso-Tetra (4-carboxyphenyl) porphine chloride, Manganese(III) meso-tetra(4-carboxyphenyl)porphine chloride

Fields of Interest

Selected Metal-Organic Framework And Nano Assemblies Literature

1. [Zirconium-Metalloporphyrin PCN-222: Mesoporous Metal-Organic Frameworks with Ultrahigh Stability as Biomimetic Catalysts](#), Feng, Dawei, Gu, Zhi-Yuan, Li, Jian-Rong, Jiang, Hai-Long, Wei, Zhangwen, Zhou, Hong-Cai, *Angewandte Chemie, International*

Edition (2012), 51(41), 10307-10310, S10307/1-S10307/46.
DOI:10.1002/anie.201204475

2. [Highly Stable Zr\(IV\)-Based Metal-Organic Frameworks for the Detection and Removal of Antibiotics and Organic Explosives in Water](#), Wang, Bin, Lv, Xiu-Liang, Feng, Dawei, Xie, Lin-Hua, Zhang, Jian, Li, Ming, Xie, Yabo, Li, Jian-Rong, Zhou, Hong-Cai, Journal of the American Chemical Society (2016), 138(19), 6204-6216. DOI:10.1021/jacs.6b01663
3. [Memory of macromolecular helicity assisted by interaction with achiral small molecules](#), Yashima, Eiji, Maeda, Katsuhiko, Okamoto, Yoshio, Nature (London) (1999), 399(6735), 449-451. DOI:10.1038/20900
4. [Construction of Ultrastable Porphyrin Zr Metal-Organic Frameworks through Linker Elimination](#), Feng, Dawei, Chung, Wan-Chun, Wei, Zhangwen, Gu, Zhi-Yuan, Jiang, Hai-Long, Chen, Ying-Pin, Darensbourg, Donald J., Zhou, Hong-Cai, Journal of the American Chemical Society (2013), 135(45), 17105-17110. DOI:10.1021/ja408084
5. [Design, Synthesis, Structure, and Gas \(N₂, Ar, CO₂, CH₄, and H₂\) Sorption Properties of Porous Metal-Organic Tetrahedral and Heterocuboidal Polyhedra](#), Sudik, Andrea C., Millward, Andrew R., Ockwig, Nathan W., Cote, Adrien P., Kim, Jaheon, Yaghi, Omar M., Journal of the American Chemical Society (2005), 127(19), 7110-7118. DOI:10.1021/ja042802q
6. [Synthesis, Structure, and Metalation of Two New Highly Porous Zirconium Metal-Organic Frameworks](#), Morris, William, Voloskiy, Boris, Demir, Selcuk, Gandara, Felipe, McGrier, Psaras L., Furukawa, Hiroyasu, Cascio, Duilio, Stoddart, J. Fraser, Yaghi, Omar M., Inorganic Chemistry (2012), 51(12), 6443-6445. DOI:10.1021/ic300825s
7. [A Catalytically Active, Permanently Microporous MOF with Metalloporphyrin Struts](#), Shultz, Abraham M., Farha, Omar K., Hupp, Joseph T., Nguyen, SonBinh T., Journal of the American Chemical Society (2009), 131(12), 4204-4205. DI:10.1021/ja900203f
8. [Dye-Sensitized Nanostructured p-Type Nickel Oxide Film as a Photocathode for a Solar Cell](#), He, Jianjun, Lindstroem, Henrik, Hagfeldt, Anders, Lindquist, Sten-Eric, Journal of Physical Chemistry B (1999), 103(42), 8940-8943. DOI:10.1021/jp991681r

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

Mn(III) meso-Tetra (4-carboxyphenyl) porphine chloride

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

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