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Frontier Specialty Chemicals, Inc. **Technical Data Sheet**  
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Catalog Number: **T975**

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**For research use only**

Not intended or approved for  
diagnostic or therapeutic use.

**Product Name: meso-Tetra(pentafluorophenyl)porphine chlorin free**

**Catalog Number: T975**



**Sizes Available:** 100mg, 250 mg, 500 mg, 1 g, 5 g, 10 g, and larger sizes available

**Molecular weight:** 974.55 g/mol

**Molecular Formula:** C<sub>44</sub>H<sub>10</sub>F<sub>20</sub>N<sub>4</sub>

**CAS Number:** 25440-14-6

**Storage:** Store at room temperature, protect from light

**Synonyms:** 5,10,15,20-tetrakis pentafluorophenyl porphyrin, 5,10,15,20-tetrakis pentafluorophenyl-21h,23h-porphine, meso-tetra pentafluorophenyl porphine, 21h,23h-porphine, 5,10,15,20-tetrakis pentafluorophenyl, 5,10,15,20-tetrakis 2,3,4,5,6-pentafluorophenyl-21,22-dihydroporphyrin

**Field of Interest:** Combinatorial synthesis, Photodynamic therapy

**Background: meso-Tetra(pentafluorophenyl)porphine** is synthetic porphyrin with reactive fluorine at the para position generating products with nucleophiles. <sup>1,2</sup>

**References:**

- 1) Samaroo, D., Vinodu, M., Chen, X., Drain, C. M., meso-Tetra(pentafluorophenyl)porphyrin as an Efficient Platform for Combinatorial Synthesis and the Selection of New Photodynamic Therapeutics using a Cancer Cell Line, *J. Comb. Chem.* 2007, 9, 06, 998–1011.
- 2) Samaroo, D., Soll, E. C., Todar, L.J., Drain, C. M., Efficient Microwave-Assisted Synthesis of Amine-Substituted Tetrakis(pentafluorophenyl)porphyrin, *Org. Lett.* 2006, 8, 22, 4985–4988.

**Hazardous Properties and Cautions:** The toxicological and pharmacological properties of this compound are not fully known. For further information see the SDS on request. **meso-Tetra(pentafluorophenyl)porphine chlorin free** 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.