

Frontier Specialty Chemicals, Inc. **Technical Data Sheet**P.O. Box 31
Catalog Number: **T975**

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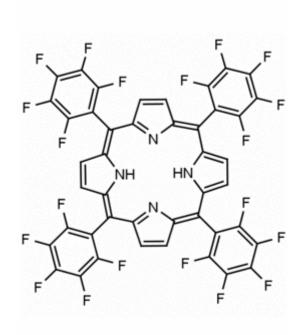
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For research use only

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: C₄₄H₁₀F₂₀N₄

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-tetrakispentafluorophenyl-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. ^{1,2}

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.

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