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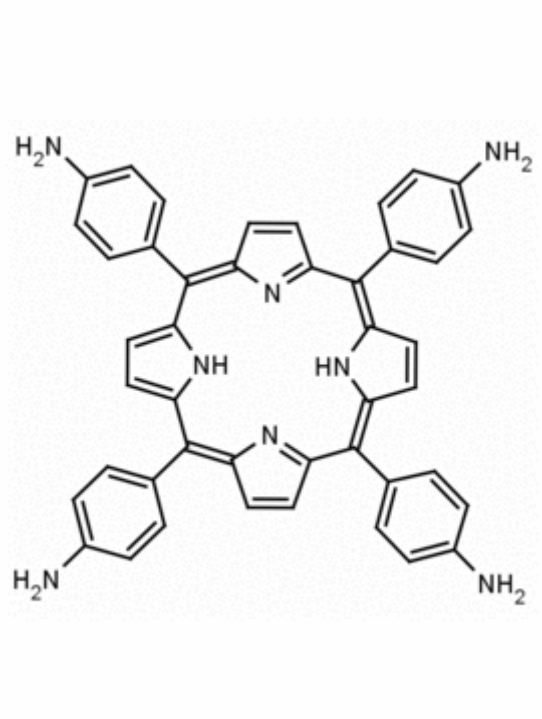
Technical Data Sheet
Catalog Number: **T40387**

For research use only
Not intended or approved for diagnostic or therapeutic use.

Product Name: meso-Tetra (4-aminophenyl) Porphine

Catalog Number: **T40387**



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

Molecular weight: 674.81 g/mol

Molecular Formula: $C_{44}H_{34}N_8$

CAS Number: 22112-84-1

Storage: Store at room temperature, protect from light

Synonyms: TPAPP, Tetrakis(4-aminophenyl)porphyrin,meso-Tetra(p-aminophenyl)porphyrin,5,10,15,20-(tetra-4-aminophenyl)porphyrin,5,10,15,20-Tetrakis(4-aminophenyl)porphyrin,5,10,15,20-TETRAKIS(4-AMINOPHENYL)-21H,23H-PORPHINE,5,10,15,20-Tetrakis(4-aminophenyl)-21H,23H-porphyrin

Field of Interest: Metal Organic Frameworks, Nano Particles

meso-Tetra (4-aminophenyl) Porphine Selected References

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3. Positional effects of second-sphere amide pendants on electrochemical CO2 reduction catalyzed by iron porphyrins, Nichols, Eva M.; Derrick, Jeffrey S.; Nistanaki, Sepand K.; Smith, Peter T.; Chang, Christopher J., Chemical Science (2018), 9(11), 2952-2960.

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5. Micellar Cobaltporphyrin Nanorods in Alcohols, Yuasa, Makoto; Oyaizu, Kenichi; Yamaguchi, Aritomo; Kuwakado, Michi, Journal of the American Chemical Society (2004), 126(36), 11128-11129.

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7. State-of-the-art catechol porphyrin COF catalyst for chemical fixation of carbon dioxide via cyclic carbonates and oxazolidinones, Saptal, Vitthal; Shinde, Digambar Balaji; Banerjee, Rahul; Bhanage, Bhalchandra M., Catalysis Science & Technology (2016), 6(15), 6152-6158.

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9. Stable Binding of Isothiocyanoporphyrin Molecules to Au(111): An STM Study, Han, Wenhai; Li, Shumin; Lindsay, S. M.; Gust, Devens; Moore, Thomas A.; Moore, Ana L., Langmuir (1996), 12(23), 5742-5744.

10. A porous porphyrin organic polymer (PPOP) for visible light triggered hydrogen production, Mukherjee, Gargi; Thote, Jayshri; Aiyappa, Harshitha Barike; Kandambeth, Sharath; Banerjee, Subhrashis; Vanka, Kumar; Banerjee, Rahul, Chemical Communications (Cambridge, United Kingdom) (2017), 53(32), 4461-4464.

11. Efficient ternary organic photovoltaics incorporating a graphene-based porphyrin molecule as a universal electron cascade materials, Stylianakis, M. M.; Konios, D.; Kakavelakis, G.; Charalambidis, G.; Stratakis, E.; Coutsolelos, A. G.; Kymakis, E.; Anastasiadis, S. H., Nanoscale (2015), 7(42), 17827-17835.

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 (4-aminophenyl) Porphine** 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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