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Technical Data Sheet

PRODUCT NAME: Uroporphyrin III

Catalog Number	CAS Number	Molecular Weight	Chemical Formula	Solubility
URO3	18273-06-8	830.7 g/mol	C40H38N4O16	Basic aqueous media

STORAGE: -20 °C

FIELD OF INTEREST: Uroporphyrin III is an important analyte used in the diagnosis of porphyria diseases and is the oxidized porphyrin form of Uroporphyrinogen III. The presence of Uroporphyrin III in biological samples indicates a malfunction of the heme biosynthesis pathway.

HAZADOUS PROPERTIES AND CAUTIONS: Avoid inhalation, contact with skin or eyes, and ingestion. Always use personal protective. Equipment when handling this compound. (Additional information may be included in SDS)

REFERENCES:

Harada, Y.; Murayama, Y.; Takamatsu, T.; Otsuji, E.; Tanaka, H. 5-Aminolevulinic Acid-Induced Protoporphyrin IX Fluorescence Imaging for Tumor Detection: Recent Advances and Challenges. *Int. J. Mol. Sci.* **2022**, *23*, 6478. https://doi.org/10.3390/ijms23126478

Kiening, M.; Lange, N. A Recap of Heme Metabolism towards Understanding Protoporphyrin IX Selectivity in Cancer Cells. *Int. J. Mol. Sci.* **2022**, *23*, 7974. https://doi.org/10.3390/ijms23147974

Di Pierro, E.; De Canio, M.; Mercadante, R.; Savino, M.; Granata, F.; Tavazzi, D.; Nicolli, A.M.; Trevisan, A.; Marchini, S.; Fustinoni, S. Laboratory Diagnosis of Porphyria. *Diagnostics* **2021**, *11*, 1343. https://doi.org/10.3390/diagnostics11081343

Phillips, J. D Heme Biosynthesis and the Porphyrias *Molecular Genetics and Metabolism* **2019**, *3*, 164-177. https://doi.org/10.1016/j.ymgme.2019.04.008

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