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Technical Data Sheet

PRODUCT NAME: Heptacarboxylporphyrin I

Catalog	CAS	Molecular	Chemical Formula	Solubility
Number	Number	Weight		
HEPTA1	N/A	786.75 g/mol	C39H38N4O14	Basic aqueous media

STORAGE: -20 °C

FIELD OF INTEREST: Heptacarboxylporphyrin I is an important analyte used in the diagnosis of porphyria diseases. It is a decarboxylation product of Uroporphyrin I. The presence of Heptacarboxylporphyrin I 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

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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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