Product Name: N-Methyl Protoporphyrin IX

Catalog Number: NMP576

Sizes Available: 5 mg, 25 mg, and larger sizes available

Molecular weight: 576.69 g/mol

Molecular Formula: C$_3$H$_{36}$N$_4$O$_4$

CAS Number: 79236-56-9

Storage: Store at–20 °C4, under dry conditions.

Synonyms: N-Methyl Protoporphyrin Ix 2,4-Disulfonic Acid, 3,3’-(7,12-diethyl-3,8,13,17,22-pentamethyl-22,24-dihydroporphyrin-2,18-diyl)dipropanoic acid

Fields of Interest: Photodynamic Therapy, Nanocomposites, Quantum Oxygen Yield, Catalysis, Photocatalysis


3. **Three-Dimensional Structure-Activity Analysis of a Series of Porphyrin Derivatives with Anti-HIV-1 Activity Targeted to the V3 Loop of the gp120 Envelope Glycoprotein of the Human Immunodeficiency Virus Type 1**, Asim Kumar; Jiang, Shibo; Strick, Nathan; Lin, Kang; Haberfield, Paul; Neurath, A. Robert, Journal of Medicinal Chemistry (1994), 37(8), 1099-108DOI:10.1021/jm00034a007


6. **Heme deficiency is associated with senescence and causes suppression of N-methyl-D-aspartate receptor subunits expression in primary cortical neurons**, Chernova, Tatyana; Nicotera, Pierluigi; Smith, Andrew G., Molecular Pharmacology (2006), 69(3), 697-705. DOI:10.1124/mol.105.016675

7. **Recombinant cytochromes c biogenesis systems I and II and analysis of haem delivery pathways in Escherichia coli**, Feissner Robert E; Richard-Fogal Cynthia L; Frawley Elaine R; Loughman Jennifer A; Earley Keith W; Kranz Robert G, Molecular microbiology (2006), 60(3), 563-77

8. **Characterization of porphyrin interactions with peripheral type benzodiazepine receptors**, Verma, Ajay; Snyder, Solomon H., Molecular Pharmacology (1988), 34(6), 800-5.


10. **Peripheral benzodiazepine receptor ligands in rat liver mitochondria: effect on cholesterol translocation**, Tsankova, Virginia; Magistrelli, Armando; Cantoni, Lavinia; Tacconi, Maria Teresa, European Journal of Pharmacology (1995), 294(2/3), 601-7. DOI:10.1016/0014-2999(95)00603-6

Hazardous Properties and Cautions: The toxicological and pharmacological properties of this compound are not fully known. For further information see the MSDS on request. N-Methyl Protoporphyrin IX 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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