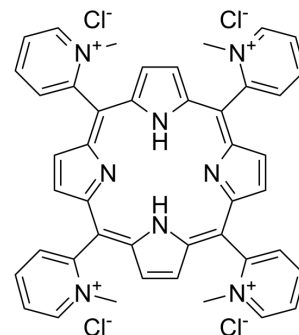


H2TMPyP-2 chloride

Cat. No.:	HY-W127820
CAS No.:	129051-18-9
Molecular Formula:	C ₄₄ H ₃₈ Cl ₄ N ₈
Molecular Weight:	820.64
Target:	Biochemical Assay Reagents; Fluorescent Dye
Pathway:	Others
Storage:	4°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



BIOLOGICAL ACTIVITY

Description

H2TMPyP-2 (tetrakis(2-N-methylpyridyl)porphine) chloride is an active photosensitizer with strong absorption properties in the visible to near-infrared region and excellent singlet oxygen quantum yield. Captisol-TMPyP complexes can be used in supramolecular nanosynthesis to increase singlet oxygen production, improve photostability and better photosensitization, and support photodynamic therapy activity. The Captisol:TMPyP complex also exhibited antibacterial activity against *Escherichia coli* and was cytotoxic against lung cancer A549 cells^[1].

REFERENCES

[1]. Khurana R, et al. Supramolecular Nanorods of (N-Methylpyridyl) Porphyrin With Captisol: Effective Photosensitizer for Anti-bacterial and Anti-tumor Activities. *Front Chem.* 2019 Jun 21;7:452.

Caution: Product has not been fully validated for medical applications. For research use only.

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