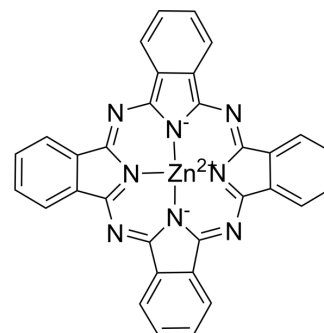


Zinc phthalocyanine

Cat. No.:	HY-19204
CAS No.:	14320-04-8
Molecular Formula:	C ₃₂ H ₁₆ N ₈ Zn
Molecular Weight:	577.9
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMF : 2.7 mg/mL (4.67 mM; Need ultrasonic and warming)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.7304 mL	8.6520 mL	17.3040 mL
5 mM	---	---	---
10 mM	---	---	---

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Zinc phthalocyanine (ZnPc) is commonly applied in industry (catalysts, photoconductors) and biomedical (photodynamic therapy, PDT). Zinc phthalocyanine can be used to photooxidise cyclohexane and is promising for research of solar-cell applications^{[1][2][3][4]}.

REFERENCES

- [1]. Senthilarasu S, et al. Characterization of zinc phthalocyanine (ZnPc) for photovoltaic applications[J]. Applied Physics A, 2003, 77: 383-389.
- [2]. Zhang X F, et al. Influence of halogenation and aggregation on photosensitizing properties of zinc phthalocyanine (ZnPc)[J]. Journal of the Chemical Society, Faraday Transactions, 1993, 89(18): 3347-3351.
- [3]. Abimbola Ogunsiye, et al. Solvent effects on the photochemical and fluorescence properties of zinc phthalocyanine derivatives. Journal of Molecular Structure 650 (2003) 131-140.
- [4]. NthapoSehlotho, et al. Zinc phthalocyanine photocatalyzed oxidation of cyclohexene. Journal of Molecular Catalysis A: Chemical Volume 219, Issue 2, 16 September

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

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