Zinc phthalocyanine

Cat. No.: HY-19204

CAS No.: 14320-04-8

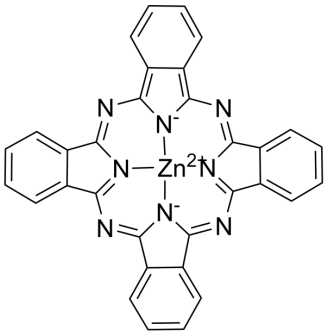
Molecular Formula: $C_{32}H_{16}N_8Zn$

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)

Preparing Stock Solutions	Solvent / Mass / Concentration	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 is commonly applied in industry (catalysts, photoconductors) and biomedical (photodynamic therapy, PDT)[1]. Zinc phthalocyanine can be used to photooxidise cyclohexane[2].

REFERENCES

[1]. Abimbola Ogunsipe, et al. Solvent effects on the photochemical and fluorescence properties of zinc phthalocyanine derivatives. Journal of Molecular Structure 650 (2003) 131–140.

[2]. NthapoSehlotho, et al. Zinc phthalocyanine photocatalyzed oxidation of cyclohexene. Journal of Molecular Catalysis A: Chemical Volume 219, Issue 2, 16 September 2004, Pages 201-207.

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

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