



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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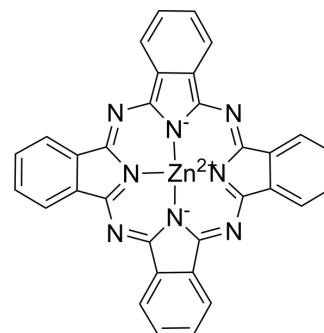
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## Zinc phthalocyanine

|                           |  |
|---------------------------|--|
| <b>Cat. No.:</b>          | HY-19204   |
| <b>CAS No.:</b>           | 14320-04-8   |
| <b>Molecular Formula:</b> | C <sub>32</sub> H <sub>16</sub> N <sub>8</sub> Zn  |
| <b>Molecular Weight:</b>  | 577.9  |
| <b>Target:</b>            | Fluorescent Dye  |
| <b>Pathway:</b>           | Others   |
| <b>Storage:</b>           | 4°C, protect from light, stored under nitrogen<br>* 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 is commonly applied in industry (catalysts, photoconductors) and biomedical (photodynamic therapy, PDT)<sup>[1]</sup>. Zinc phthalocyanine can be used to photooxidise cyclohexane<sup>[2]</sup>.

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

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

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