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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

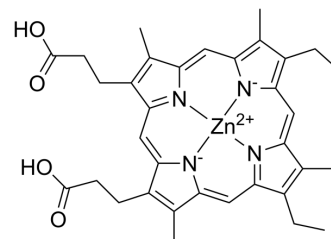
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Zn(II) Mesoporphyrin IX

Cat. No.:	HY-W583212
CAS No.:	14354-67-7
Molecular Formula:	C ₃₄ H ₃₆ N ₄ O ₄ Zn
Molecular Weight:	630.05
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Zn(II) Mesoporphyrin IX (ZnMP) is a specific activator of ABCB10, significantly increasing its ATPase activity and acting as a substrate for ABCB10 in heme synthesis. Zn(II) Mesoporphyrin IX may promote the transcription of hemoglobinization genes by facilitating the degradation of the Bach1 repressor. Zn(II) Mesoporphyrin IX aids in studying the potential roles of ABCB10 in heme synthesis, oxidative stress protection, hepatitis C, and other areas^{[1][2]}.

REFERENCES

- [1]. Martinez M, et al. Stimulation of the human mitochondrial transporter ABCB10 by zinc-mesoporphrin. PLoS One. 2020 Nov 30;15(11):e0238754.
- [2]. Clark ER, et al. Photosensitized H₂ generation from "one-pot" and "two-pot" assemblies of a zinc-porphyrin/platinum nanoparticle/protein scaffold. Dalton Trans. 2016 Jan 14;45(2):630-8.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA