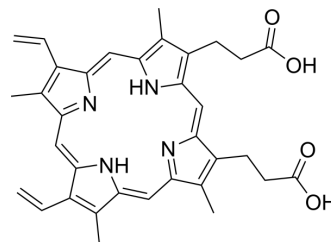


Protoporphyrin IX

Cat. No.:	HY-B1247
CAS No.:	553-12-8
Molecular Formula:	C ₃₄ H ₃₄ N ₄ O ₄
Molecular Weight:	562.66
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 1 year; -20°C, 6 months (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 2 mg/mL (3.55 mM; ultrasonic and warming and heat to 60°C)
Ethanol : < 1 mg/mL (ultrasonic) (insoluble)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.7773 mL	8.8864 mL	17.7727 mL
5 mM	---	---	---
10 mM	---	---	---

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

BIOLOGICAL ACTIVITY

Description

Protoporphyrin IX is the final intermediate in the heme biosynthetic pathway.

IC₅₀ & Target

Human Endogenous Metabolite

CUSTOMER VALIDATION

- Sci Bull. 2021 May 15;66(9):925-936.
- Nano Today. 2021, 101212.
- Genome Biol. 2022 Dec 15;23(1):259.
- J Nanobiotechnology. 2021 Apr 20;19(1):112.
- Pharmacol Res. 2021 Jun 1;105701.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Yasushi Nakai, et al. Protoporphyrin IX induced by 5-aminolevulinic acid in bladder cancer cells in voided urine can be extracorporeally quantified using a spectrophotometer.

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

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