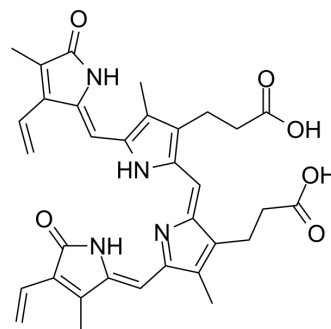


Biliverdin

Cat. No.: HY-135005A
CAS No.: 114-25-0
Molecular Formula: C₃₃H₃₄N₄O₆
Molecular Weight: 582.65
Target: Endogenous Metabolite
Pathway: Metabolic Enzyme/Protease
Storage: -20°C, protect from light
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 3 mg/mL (5.15 mM; Need ultrasonic and warming)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.7163 mL	8.5815 mL	17.1630 mL
	5 mM		0.3433 mL	1.7163 mL	3.4326 mL
	10 mM		---	---	---

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

BIOLOGICAL ACTIVITY

Description

Biliverdin is the product of the oxidation of bilirubin. Biliverdin can be synthesized via a non-protoporphyrin pathway in *Corynebacterium glutamicum*^[1].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. Jiho Seok, et al. Systems metabolic engineering of *Corynebacterium glutamicum* for the bioproduction of biliverdin via protoporphyrin independent pathway. Journal of Biological Engineering. 2019, 19.

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

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