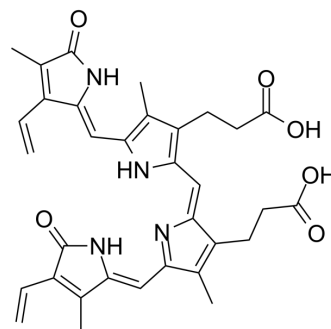


Biliverdin

Cat. No.:	HY-135005A		
CAS No.:	114-25-0		
Molecular Formula:	C ₃₃ H ₃₄ N ₄ O ₆		
Molecular Weight:	582.65		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

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

Solvent	Mass	Concentration		
		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.

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