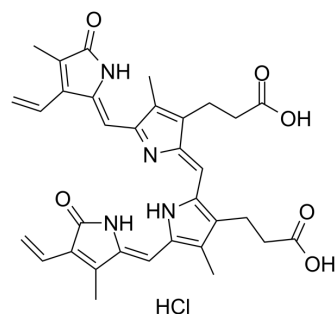


Biliverdin hydrochloride

Cat. No.:	HY-135005
CAS No.:	856699-18-8
Molecular Formula:	C ₃₃ H ₃₅ ClN ₄ O ₆
Molecular Weight:	619.11
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 20 mg/mL (32.30 mM; Need ultrasonic and warming)
H₂O : < 0.1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	1.6152 mL	8.0761 mL	16.1522 mL
	5 mM	0.3230 mL	1.6152 mL	3.2304 mL	
	10 mM	0.1615 mL	0.8076 mL	1.6152 mL	

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

BIOLOGICAL ACTIVITY

Description

Biliverdin hydrochloride is a tetrapyrrolic, water-soluble compound formed by the breakdown of heme. Biliverdin hydrochloride can upregulate the activity of biliverdin reductase which is an enzyme that is a regulator of the innate immune system^[1].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

[1]. Wegiel B, et, al. Go green: the anti-inflammatory effects of biliverdin reductase. *Front Pharmacol.* 2012 Mar 16;3:47.

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