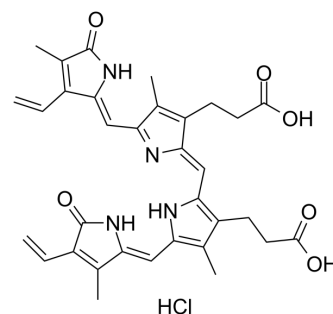


## Biliverdin hydrochloride

Cat. No.:	HY-135005
CAS No.:	856699-18-8
Molecular Formula:	C <sub>33</sub> H <sub>35</sub> ClN <sub>4</sub> O <sub>6</sub>
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)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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<sup>[1]</sup>.

#### IC<sub>50</sub> & 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.

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

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