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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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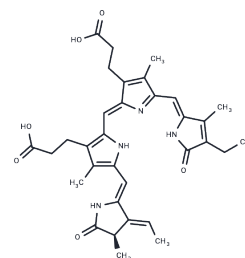
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Phycocyanobilin

Chemical Properties

CAS No. :	20298-86-6
Formula:	C ₃₃ H ₃₈ N ₄ O ₆
Molecular Weight:	586.68
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Phycocyanobilin (PCB), a linear open-chain tetrapyrrole chromophore, is a bilirubin analog with anti-inflammatory and antioxidant activity for the study of neurological disorders such as Alzheimer's disease.
Targets(IC50)	Antioxidant
In vivo	Antioxidant effects were observed after oral administration of phycocyanobilin (15 mg/kg) for 2 weeks; Phycocyanobilin also inhibited NADPH-dependent superoxide production in cultured renal mesangial cells. [1]

Solubility Information

Solubility	Methanol: Insoluble DMSO: 1.00 mg/mL(1.71 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7045 mL	8.5225 mL	17.0451 mL
5 mM	0.3409 mL	1.7045 mL	3.409 mL
10 mM	0.1705 mL	0.8523 mL	1.7045 mL
50 mM	0.0341 mL	0.1705 mL	0.3409 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Zheng J, et al. Phycocyanin and phycocyanobilin from *Spirulina platensis* protect against diabetic nephropathy by inhibiting oxidative stress. *Am J Physiol Regul Integr Comp Physiol*. 2013 Jan 15;304(2):R110-20.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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