

Enocyanin

Chemical Properties

CAS No. :	11029-12-2
Formula:	
Molecular Weight:	
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>

Enocyanin

Biological Description

Description	Enocyanin is an anthocyanin active ingredient extracted from grapes. Studies have shown that Enocyanin regulates the physiological activities of multiple key enzymes such as leucine aminopeptidase, acid phosphatase, γ -glutamyl transpeptidase and esterase.
Targets(IC50)	Phosphatase
In vitro	Methods: An in vitro enzyme activity assay system was used to determine the regulatory effects of 0.1% (mass fraction) Enocyanin on the activities of leucine aminopeptidase, acid phosphatase, γ -glutamyl transpeptidase and esterase. Results: : Upon treatment with 0.1% Enocyanin, the relative activities of the four enzymes were 63% for leucine aminopeptidase, 100% for acid phosphatase, 134% for γ -glutamyl transpeptidase, and 99% for esterase, respectively [1].

Solubility Information

Solubility	DMSO: 40 mg/mL, Sonication is recommended. H2O: 4 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2.5 mg/mL, Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Reference

Sako F, et al. A study on the toxicity of natural food dyes--toxicity and enzyme inhibition in Paramecium caudatum. J Toxicol Sci. 1978 May;3(2):127-36.

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