

Enocyanin

Cat. No.:	HY-114336		
CAS No.:	11029-12-2		
Target:	Phosphatase		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year

Enocyanin

SOLVENT & SOLUBILITY

In Vitro	<p>DMSO : ≥ 50 mg/mL H₂O : 5 mg/mL (Need ultrasonic) * "≥" means soluble, but saturation unknown.</p>
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (Infinity mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (Infinity mM); Clear solution Add each solvent one by one: PBS Solubility: 1.5 mg/mL (Infinity mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description	Enocyanin is an anthocyanin extracted from grapes. Enocyanin shows inhibitory effect on the leucine aminopeptidase, acid phosphatase, γ-glutamyl transpeptidase and esterase activity ^[1] .
IC₅₀ & Target	Acid phosphatase ^[1]
In Vitro	<p>Enocyanin (0.1%) affects the leucine aminopeptidase, acid phosphatase, γ-glutamyl transpeptidase and esterase activity by 63%, 100%, 134% and 99%, respectively^[1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. 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.

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

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