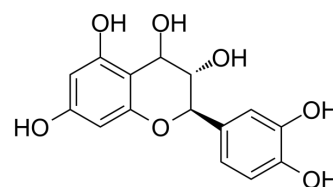


Leucocyanidin

Cat. No.:	HY-119580		
CAS No.:	480-17-1		
Molecular Formula:	C ₁₅ H ₁₄ O ₇		
Molecular Weight:	306.27		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (326.51 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	3.2651 mL	16.3255 mL	32.6509 mL
		5 mM	0.6530 mL	3.2651 mL	6.5302 mL
10 mM		0.3265 mL	1.6325 mL	3.2651 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (8.16 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (8.16 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Leucocyanidin is an active anti-ulcerogenic ingredient was extracted from Litchi Chinensis. Leucocyanidin demonstrates a significant protective effect against Aspirin-induced erosions in rat models ^[1] .
In Vivo	Leucocyanidin (5 mg/day) exerts great protective effect against aspirin-induced gastric erosions in male Wistar rats of average weight 250 g (220-330 g) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. D A Lewis, et al. A natural flavonoid present in unripe plantain banana pulp (*Musa sapientum* L. var. *paradisiaca*) protects the gastric mucosa from aspirin-induced erosions. *J Ethnopharmacol.* 1999 Jun;65(3):283-8.

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

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