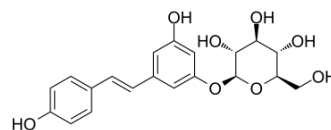


(E/Z)-Polydatin

Cat. No.:	HY-N0120		
CAS No.:	65914-17-2		
Molecular Formula:	C ₂₀ H ₂₂ O ₈		
Molecular Weight:	390.38		
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 : 150 mg/mL (384.24 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.5616 mL	12.8080 mL	25.6161 mL
	5 mM	0.5123 mL	2.5616 mL	5.1232 mL
	10 mM	0.2562 mL	1.2808 mL	2.5616 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: **10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline**
Solubility: ≥ 2.5 mg/mL (6.40 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% (20% SBE-β-CD in saline)**
Solubility: ≥ 2.5 mg/mL (6.40 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% corn oil**
Solubility: ≥ 2.5 mg/mL (6.40 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(E/Z)-Polydatin ((E/Z)-Piceid) is a monocrystalline compound originally isolated from the root and rhizome of *Polygonum cuspidatum*. (E/Z)-Polydatin has anti-platelet aggregation, anti-oxidative action of low-density lipoprotein (LDL), cardioprotective activity, anti-inflammatory and immune-regulating functions^[1].

REFERENCES

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

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