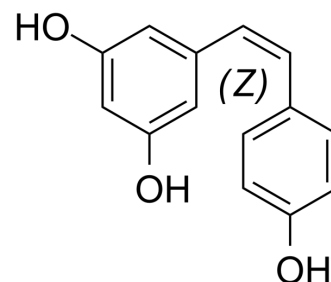


cis-Resveratrol

Cat. No.:	HY-16561A
CAS No.:	61434-67-1
Molecular Formula:	C ₁₄ H ₁₂ O ₃
Molecular Weight:	228.24
Target:	Enterovirus
Pathway:	Anti-infection
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (547.67 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.3814 mL	21.9068 mL	43.8135 mL
	5 mM	0.8763 mL	4.3814 mL	8.7627 mL
	10 mM	0.4381 mL	2.1907 mL	4.3814 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: ≥ 2.08 mg/mL (9.11 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (9.11 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (9.11 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

cis-Resveratrol exhibits significant antiviral activity. cis-Resveratrol inhibits enteroviruses with IC₅₀s of 12.2 μM and 37.6 μM for coxsackievirus B3 (CVB3) and enterovirus 71 (EV71), respectively^[1].

REFERENCES

- [1]. Mira Oh, et al. Chemical components from the twigs of *Caesalpinia latisiliqua* and their antiviral activity. *J Nat Med.* 2020 Jan;74(1):26-33.

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

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