Gallic aldehyde

Cat. No.: HY-W004486

CAS No.: 13677-79-7

Molecular Formula: $C_7H_6O_4$

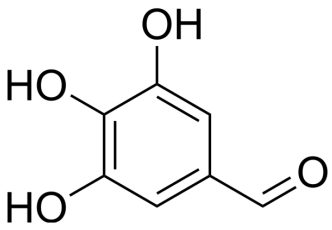
Molecular Weight: 154.12

Target: HSV

Pathway: Anti-infection

Storage: 4°C, stored under nitrogen

* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (811.06 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	6.4885 mL	32.4423 mL	64.8845 mL
	5 mM	1.2977 mL	6.4885 mL	12.9769 mL
	10 mM	0.6488 mL	3.2442 mL	6.4885 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: ≥ 2.08 mg/mL (13.50 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (13.50 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Gallic aldehyde is a HSV-1 inhibitor isolated from Geum japonicum, with potent antiviral activity[1].

REFERENCES

[1]. Kadota S, et al. A New Hydrolyzable Tannin from Geum japonicum and Its Antiviral Activity[J]. Heterocycles, 1994, 38(1):167-175.

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

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