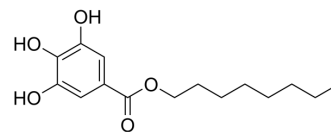


Octyl gallate

Cat. No.:	HY-N2011		
CAS No.:	1034-01-1		
Molecular Formula:	C ₁₅ H ₂₂ O ₅		
Molecular Weight:	282.33		
Target:	Bacterial; Reactive Oxygen Species; Influenza Virus; HSV; VSV		
Pathway:	Anti-infection; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB		
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 : 125 mg/mL (442.74 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	3.5420 mL	17.7098 mL	35.4195 mL
5 mM	0.7084 mL	3.5420 mL	7.0839 mL
10 mM	0.3542 mL	1.7710 mL	3.5420 mL

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

BIOLOGICAL ACTIVITY

Description

Octyl gallate (Progallin O) is widely used as a food additive, with antimicrobial and antioxidant activity^{[1][2]}. Octyl gallate (Progallin O) shows selective and sensitive fluorescent property^[2]. Octyl gallate shows a marked antiviral effect against HSV-1, vesicular stomatitis virus (VSV) and poliovirus^[3].

IC₅₀ & Target

HSV-1

In Vitro

Octyl gallate has antimicrobial activity over *H. pylori*, with a minimum inhibitory concentration (MIC) value of 125 µg/mL^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Wolf VG, et al. Octyl gallate, a food additive with potential beneficial properties to treat *Helicobacter pylori* infection. *Food Funct.* 2017 Jul 19;8(7):2500-2511.

[2]. Wang Q, et al. Octyl gallate: An antioxidant demonstrating selective and sensitive fluorescent property. *Food Chem.* 2017 Mar 15;219:268-273.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA