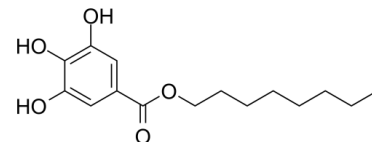


Data Sheet

Product Name:	Octyl gallate
Cat. No.:	CS-0018331
CAS No.:	1034-01-1
Molecular Formula:	C ₁₅ H ₂₂ O ₅
Molecular Weight:	282.33
Target:	Bacterial; HSV; Influenza Virus; Reactive Oxygen Species
Pathway:	Anti-infection; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Solubility:	DMSO : 125 mg/mL (442.74 mM; Need ultrasonic)



BIOLOGICAL ACTIVITY:

Octyl gallate (Progalin O) is widely used as a food additive, with antimicrobial and antioxidant activity^{[1][2]}. Octyl gallate (Progalin 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]. **In Vitro:** Octyl gallate has antimicrobial activity over *H. pylori*, with a minimum inhibitory concentration (MIC) value of 125 µg/mL^[1].

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.
- [3]. Uozaki M, et al. Antiviral effect of octyl gallate against DNA and RNA viruses. *Antiviral Res.* 2007 Feb;73(2):85-91.

CAIndexNames:

Benzoic acid, 3,4,5-trihydroxy-, octyl ester

SMILES:

O=C(OCCCCCCCC)C1=CC(=C(O)C(O)=C1

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

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