## **Product** Data Sheet

# Sulfogaiacol

Cat. No.:HY-B2115CAS No.:1321-14-8Molecular Formula: $C_7H_7O_8S.K$ Molecular Weight:242.29

Target: Bacterial Pathway: Anti-infection

**Storage:** 4°C, sealed storage, away from moisture

\* In solvent: -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

#### **SOLVENT & SOLUBILITY**

In Vitro

 $H_2O : \ge 50 \text{ mg/mL} (206.36 \text{ mM})$ 

DMSO: 50 mg/mL (206.36 mM; Need ultrasonic)

\* ">" means soluble, but saturation unknown.

	Solvent Mass Concentration	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.1273 mL	20.6364 mL	41.2729 mL
	5 mM	0.8255 mL	4.1273 mL	8.2546 mL
	10 mM	0.4127 mL	2.0636 mL	4.1273 mL

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

In Vivo

1. Add each solvent one by one: PBS

Solubility: 50 mg/mL (206.36 mM); Clear solution; Need ultrasonic

- 2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (10.32 mM); Clear solution
- 3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE- $\beta$ -CD in saline) Solubility:  $\geq$  2.5 mg/mL (10.32 mM); Clear solution
- 4. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (10.32 mM); Clear solution

### **BIOLOGICAL ACTIVITY**

Description

Sulfogaiacol is a antitussive agent. Sulfogaiacol is used for acute respiratory tract infections, cough and other conditions.

#### **REFERENCES**

[1]. Armand C, et al. [Neocodior	n misuse: evolution betwee	en 1992 and 2002]. Therapie. 2004	Sep-Oct;59(5):547-53.	
	Caution: Product has	not been fully validated for m	edical applications. For research use only.	
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