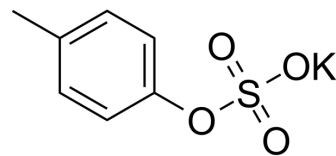


## p-Cresyl sulfate potassium

<b>Cat. No.:</b>	HY-111431A
<b>CAS No.:</b>	91978-69-7
<b>Molecular Formula:</b>	C <sub>7</sub> H <sub>7</sub> KO <sub>4</sub> S
<b>Molecular Weight:</b>	226.29
<b>Target:</b>	Endogenous Metabolite
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	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

DMSO : 125 mg/mL (552.39 mM; ultrasonic and warming and heat to 60°C)  
H<sub>2</sub>O : ≥ 100 mg/mL (441.91 mM)  
\* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	4.4191 mL	22.0955 mL	44.1911 mL
	5 mM	0.8838 mL	4.4191 mL	8.8382 mL
	10 mM	0.4419 mL	2.2096 mL	4.4191 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: ≥ 2.5 mg/mL (11.05 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (11.05 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (11.05 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

p-Methylphenyl potassium sulfate is a prototype protein-bound uremic toxin.

#### IC<sub>50</sub> & Target

Microbial Metabolite

### REFERENCES

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

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