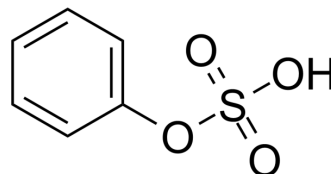


Phenyl sulfate

Cat. No.:	HY-128442		
CAS No.:	937-34-8		
Molecular Formula:	C ₆ H ₆ O ₄ S		
Molecular Weight:	174.17		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 250 mg/mL (1435.38 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.7415 mL	28.7076 mL	57.4152 mL
	5 mM	1.1483 mL	5.7415 mL	11.4830 mL
	10 mM	0.5742 mL	2.8708 mL	5.7415 mL

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

BIOLOGICAL ACTIVITY

Description

Phenyl sulfate is an orally active gut microbiota-derived metabolite. Phenyl sulfate induces albuminuria and podocyte damage in experimental models of diabetes. Phenyl sulfate can be used as a disease marker and future therapeutic target in diabetic kidney disease^[1].

REFERENCES

[1]. Kikuchi K, et al. Gut microbiome-derived phenyl sulfate contributes to albuminuria in diabetic kidney disease. Nat Commun. 2019 Apr 23;10(1):1835.

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

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