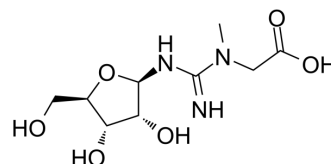


Creatine riboside

Cat. No.:	HY-117821		
CAS No.:	1616693-92-5		
Molecular Formula:	C ₉ H ₁₇ N ₃ O ₆		
Molecular Weight:	263.25		
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

DMSO : 4.67 mg/mL (17.74 mM); ultrasonic and warming and adjust pH to 4 with HCl and heat to 60°C)

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

Solvent	1 mg	5 mg	10 mg
Concentration			
1 mM	3.7987 mL	18.9934 mL	37.9867 mL
5 mM	0.7597 mL	3.7987 mL	7.5973 mL
10 mM	0.3799 mL	1.8993 mL	3.7987 mL

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

BIOLOGICAL ACTIVITY

Description

Creatine riboside is a urinary metabolite and is a diagnostic and prognostic biomarker of lung cancer^{[1][2]}.

IC₅₀ & Target

Human Endogenous Metabolite

In Vivo

The urinary metabolites Creatine riboside and N-acetylneuraminic acid (NANA), are significantly increased in intrahepatic cholangiocarcinoma (ICC)^[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Mathé EA, et al. Noninvasive urinary metabolomic profiling identifies diagnostic and prognostic markers in lung cancer. *Cancer Res.* 2014 Jun 15;74(12):3259-70.

[2]. Haznadar M, et al. Urinary Metabolites Diagnostic and Prognostic of Intrahepatic Cholangiocarcinoma. *Cancer Epidemiol Biomarkers Prev.* 2019 Oct;28(10):1704-1711.