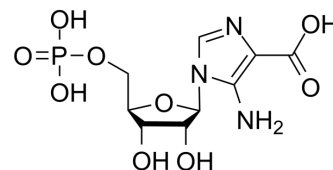


Carboxyaminoimidazole ribotide

Cat. No.: HY-133154
CAS No.: 6001-14-5
Molecular Formula: C₉H₁₄N₃O₉P
Molecular Weight: 339.2
Target: Endogenous Metabolite
Pathway: Metabolic Enzyme/Protease
Storage: -20°C, protect from light, stored under nitrogen
 * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 250 mg/mL (737.03 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.9481 mL	14.7406 mL	29.4811 mL
	5 mM		0.5896 mL	2.9481 mL	5.8962 mL
	10 mM		0.2948 mL	1.4741 mL	2.9481 mL

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

BIOLOGICAL ACTIVITY

Description

Carboxyaminoimidazole ribotide (CAIR) is a metabolite of E. coli. Carboxyaminoimidazole ribotide can be used to detect distinctive features of E. coli PurE active site and synthesis fungal de novo purine^[1].

REFERENCES

[1]. Firestone SM, et al. Biochemical role of the Cryptococcus neoformans ADE2 protein in fungal de novo purine biosynthesis. Arch Biochem Biophys. 1998 Mar 1;351(1):123-34.

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

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