

5-Aminoimidazole-4-carboxamide-1-beta-D-Ribofuranosyl 5'-Monophosphate

Art. ID TRC-A611705-5MG
Unit 5 mg
Deliverydetails No Dangerous Good /not restricted

Description

Category: Carbohydrates and Derivatives, Nucleotides, Bases and Related Reagents /// Appearance: Off-White to Light Pink Solid /// Application Notes: 5-Aminoimidazole-4-carboxamide-1-beta-D-ribofuranosyl 5'-Monophosphate causes accumulation of monophosphorylated derivative 5-aminoimidazole-4-carboxamide ribonucleoside (ZMP) and consequent phosphorylation and activation of AMP-activated protein kinase (AMPK) in intact cells. It is important in treatment of metabolic diseases such as type 2 diabetes. /// References: Corton, J., et al.: Eur. J. Biochem., 229, 558 (1995)| Towler, M., Hardie, D.: Circ. Res., 100, 328 (2007)| Narkar, V., et al.: Cell, 134, 405 (2008)|

Text/Information	Analyte/Parameter	CAS number	Concentration/Value	Unit	Method	Source
	5-Aminoimidazole-4-carboxamide-1-beta-D-Ribofuranosyl 5'-Monophosphate	[3031-94-5]				