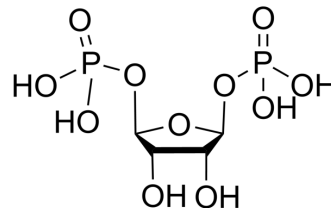


2,5-Anhydro-D-glucitol-1,6-diphosphate

Cat. No.:	HY-134177
CAS No.:	4429-47-4
Molecular Formula:	C ₄ H ₁₀ O ₁₁ P ₂
Molecular Weight:	296.06
Target:	Pyruvate Kinase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

2,5-Anhydro-D-glucitol-1,6-diphosphate is a limited stimulator of yeast Pyruvate Kinase. 2,5-Anhydro-D-glucitol-1,6-diphosphate is used as an analogue of the α -form, 2,5-anhydro-D-mannitol 1,6-bisphosphate, while is an excellent allosteric activator of Pyruvate Kinase^[1].

REFERENCES

[1]. Wurster B, et al. Tautomeric and anomeric specificity of allosteric activation of yeast pyruvate kinase by D-fructose 1, 6-bisphosphate and its relevance in D-glucose catabolism. FEBS Lett. 1976 Mar 15;63(1):17-21.

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

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