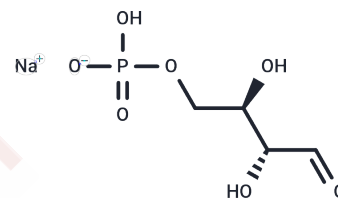


D-Erythrose 4-phosphate sodium

Chemical Properties

CAS No. :	103302-15-4
Formula:	C ₄ H ₈ NaO ₇ P
Molecular Weight:	222.07
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	D-erythrose 4-sodium phosphate is the sodium phosphate of the monosaccharide erythrose. Erythritol is actually converted to D-erythrose 4-phosphate involving three isomerases.
Targets(IC50)	Others,Endogenous Metabolite
In vitro	Erythritol is the preferred substrate for Brucella. Erythritol is actually converted to D-erythrose 4-phosphate through a set of reactions involving three isomerases, and allows hexose monophosphate to be synthesized and grown by feeding pentose phosphate bypass.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5031 mL	22.5154 mL	45.0308 mL
5 mM	0.9006 mL	4.5031 mL	9.0062 mL
10 mM	0.4503 mL	2.2515 mL	4.5031 mL
50 mM	0.0901 mL	0.4503 mL	0.9006 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Barbier T, et al. Erythritol feeds the pentose phosphate pathway via three new isomerases leading to D-erythrose-4-phosphate in

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