DL-Glyceraldehyde-3-phosphate
Item No. 17865

CAS Registry No.: 591-59-3
Formal Name: 2-hydroxy-3-(phosphonoxy)-propanal
Synonyms: G3P, GADP, 3-Phosphoglyceraldehyde
MF: C₃H₇O₆P
FW: 170.1
Stability: ≥1 year at -20°C
Supplied as: A solution in water

Laboratory Procedures
For long term storage, we suggest that DL-glyceraldehyde-3-phosphate (GADP) be stored as supplied at -20°C. It should
be stable for at least one year and is supplied as a solution in water.

GADP is an intermediate in several metabolic pathways, including glycolysis and gluconeogenesis. In glycolysis, it
can be derived from fructose 1,6-bisphosphate by fructose bisphosphate aldolase in a reaction that also produces
dihydroxyacetone phosphate (DHAP). Triose phosphate isomerase reversibly converts DHAP to GADP. GADP is
processed to 1,3-bisphosphoglycerate by glyceraldehyde phosphate dehydrogenase and NAD⁺.

Related Products
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