

3-deoxy-D-glycero-D-galacto-nononate 9-phosphate synthase

Cat. No. EXWM-2748

Lot. No. (See product label)

Introduction

Description The enzyme participates in the biosynthesis of the sialic acid 3-deoxy-D-glycero-D-galacto-nononate (KDN). The human sialic acid synthase (EC 2.5.1.57) is also able to catalyse the reaction. KDN is abundant in extracellular glycoconjugates of lower vertebrates such as fish and amphibians, but is also found in the capsular polysaccharides of bacteria that belong to the Bacteroides genus.

Synonyms 2-keto-3-deoxy-D-glycero-D-galacto-9-phosphonononic acid synthase; KDN 9-P synthase

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.5.1.132

Reaction phosphoenolpyruvate + D-mannose 6-phosphate + H₂O = 3-deoxy-D-glycero-D-galacto-nononate 9-phosphate + phosphate

Notes This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.