

Product Data Sheet

Product Name: sn-Glycerol 3-phosphate-13C disodium

Cat. No.: GC72839

Chemical Properties

Cas. No.

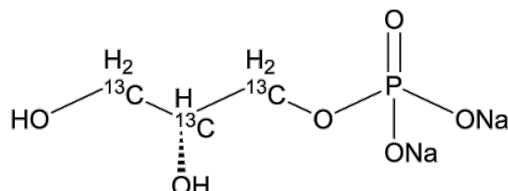
Formula $^{13}\text{C}_3\text{H}_7\text{Na}_2\text{O}_6\text{P}$ M.Wt 219.02

Solubility H_2O : 125 mg/mL (570.72 mM; Need ultrasonic and warming) Storage -20°C , protect from light, stored under nitrogen

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

sn-Glycerol 3-phosphate-13C3 disodium is the ^{13}C -labeled sn-Glycerol 3-phosphate disodium. sn-Glycerol 3-phosphate disodium is produced by cytosolic glycerol 3-phosphate dehydrogenase pathway through the reduction of dihydroxyacetone phosphate using NADH formed during glycolysis.

References:

[1]. Crans DC, et al. Glycerol kinase: synthesis of dihydroxyacetone phosphate, sn-glycerol-3-phosphate, and chiral analogs. Journal of the American Chemical Society, 1985, 107(24): 7019-

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

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