

Product Data Sheet

Product Name: 2,3-Diphosphoglyceric acid- 13 C 3

Cat. No.: GC79864

Chemical Properties

Cas. No. 2726226-14-6

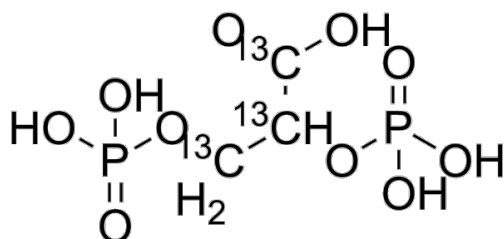
Formula $13C_3H_8O_{10}P_2$ M.Wt 269.02

Solubility Storage Store at -20°C

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

2,3-Diphosphoglyceric acid - 13 C 3 is the 13 C-labeled 2,3-Diphosphoglyceric acid. 2,3-Diphosphoglyceric acid (2,3-DPG) is an intermediate of the glycolytic pathway. 2,3-Diphosphoglyceric acid stabilizes the deoxygenated form of hemoglobin by allosteric binding and facilitates oxygen release at tissue sites. 2, 3-diphosphoglyceric acid has antiparasitic activity. 2,3-Diphosphoglyceric acid can be used in the study of Alzheimer's disease (AD) [1] [2] [3] [4].

In Vitro, Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration

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

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has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs.

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