

Product Data Sheet

Product Name: DL-GLUTAMIC-2,4,4-D3 ACID

Cat. No.: GF13954

Chemical Properties

Cas. No. 96927-56-9

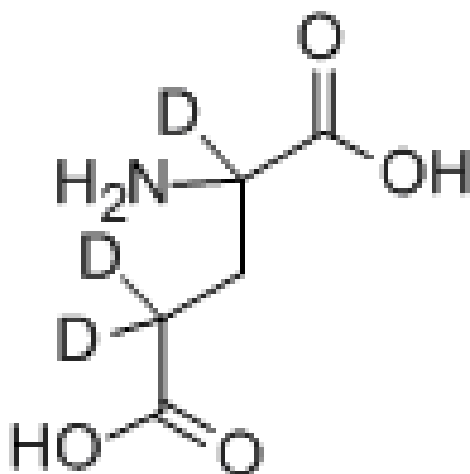
Formula $C_5H_6D_3NO_4$ M.Wt 150.15

Solubility H_2O : ≥ 17.86 mg/mL (118.95 mM); Storage -20C
DMSO : 1 mg/mL (6.66 mM);
ultrasonic and warming and heat to 60°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

DL-Glutamic acid-d3 is the deuterium labeled DL-Glutamic acid. DL-Glutamic acid is the conjugate acid of Glutamic acid, which acts as a fundamental metabolite. Comparing with the second phase of polymorphs 伪 and 尾 L-Glutamic acid, DL-Glutamic acid presents better stability[1].

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

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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 has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs^[1].

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