
Product Data Sheet

Product Name: Oxalic Acid-d2

Cat. No.: GC64225

Chemical Properties

Cas. No. 2065-73-8

Formula C2D2O4 M.Wt 92.05

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

Oxalic Acid-d2 is the deuterium labeled Oxalic Acid. Oxalic Acid is a strong dicarboxylic acid occurring in many plants and vegetables and can be used as an analytical reagent and general reducing agent.

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].

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216. [2]. Cessna SG, et al. Oxalic acid, a pathogenicity factor for *Sclerotinia sclerotiorum*, suppresses the oxidative burst of the host plant. *Plant Cell.* 2000 Nov;12(11):2191-200.

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

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