

Product Data Sheet

Product Name: Ethyl-β-D-Glucuronide-d5

Cat. No.: GC90194

Chemical Properties

Cas. No. 1135070-98-2

Formula C₈H₉D₅O₇

M.Wt 227.2

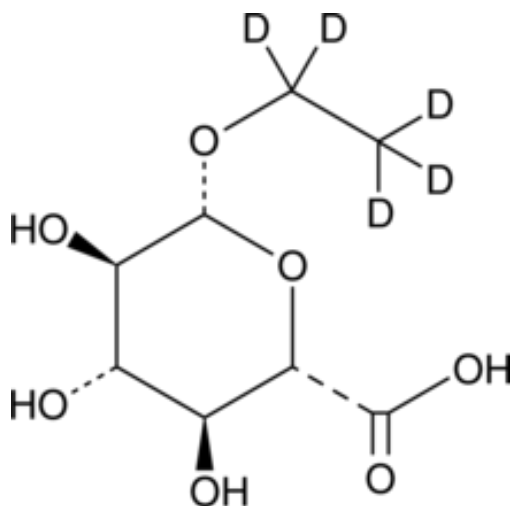
Solubility DMF: 1 mg/mL, DMSO: 1 mg/mL, PBS (pH 7.2): 1 mg/mL

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

Etl-β-D-Glucuronide-d₅ is intended for use as an internal standard for the quantification of etl-β-D-

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

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glucuronide by GC- or LC-MS. EtI- β -D-glucuronide is a minor metabolite of ethanol.^{1,2} It is primarily formed from ethanol by UDP glucuronosyltransferases (UGTs), but it can also be formed *via* β -glucuronidase cleavage and transfer of the glucuronide moiety in various non-ethanol-containing β -glucuronides to ethanol.³ Hair levels of etI- β -D-glucuronide are positively correlated with alcohol consumption in patients with alcohol dependence syndrome.⁴

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