
Product Data Sheet

Product Name: Propofol-d17 β -D-glucuronide

Cat. No.: GC69740

Chemical Properties

Cas. No. 1683581-05-6

Formula $C_{18}H_9D_{17}O_7$ M.Wt 371.5

Solubility Ethanol : ≥ 30 mg/mL (80.75 mM); DMSO : ≥ 30 mg/mL Store
(80.75 mM); DMF : ≥ 30 mg/mL (80.75 mM); PBS (pH 7.2) : \geq Storage at -
10 mg/mL (26.92 mM) 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**

Propofol-d₁₇ β -D-glucuronide is the deuterium labeled Propofol β -D-glucuronide[1].

Stable heavy isotopes of drogen, 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.

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

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