

Product Data Sheet

Product Name: Acetaminophen glucuronide potassium

Cat. No.: GC79616

Chemical Properties

Cas. No.

Formula $C_{14}H_{16}KNO_8$

M.Wt 365.38

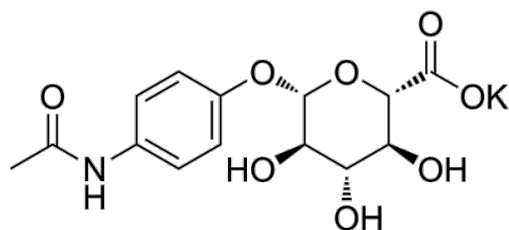
Solubility

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

Acetaminophen glucuronide potassium (APAP-glu potassium) is the inactive glucuronide metabolite of Acetaminophen. Acetaminophen glucuronide potassium can be used as a biomarker to measure glucuronidation activity or hepatic drug metabolism capacity [1].

References:

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

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- [1]. Court MH, et al. The UDP-glucuronosyltransferase (UGT) 1A polymorphism c.2042C>G (rs8330) is associated with increased human liver acetaminophen glucuronidation, increased UGT1A exon 5a/5b splice variant mRNA ratio, and decreased risk of unintentional acetaminophen-induced acute liver failure. J Pharmacol Exp Ther. 2013 May;345(2):297-307.
- [2]. Morris ME, et al. Renal clearance and serum protein binding of acetaminophen and its major conjugates in humans. J Pharm Sci. 1984 Aug;73(8):1038-41.

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