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**Product Data Sheet**

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Product Name: Levothyroxine acyl glucuronide

Cat. No.: GC63042

**Chemical Properties**

Cas. No. 909880-81-5

Formula  $C_{21}H_{19}I_4NO_{10}$ 

M.Wt

952.99

Solubility

Storage

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**

Levothyroxine acyl glucuronide (Thyroxine Acyl- $\beta$ -D-glucuronide), an endogenous metabolite, is the acyl glucuronide formation of thyroxine (T4)[1].

Levothyroxine acyl glucuronide is a metabolite of T4 glucuronides after hydrolysis with  $\beta$ -glucuronidase[1].

[1]. Tong Z, et al. In vitro glucuronidation of thyroxine and triiodothyronine by liver microsomes and recombinant human UDP-glucuronosyltransferases. Drug Metab Dispos. 2007 Dec;35(12):2203-10.

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

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