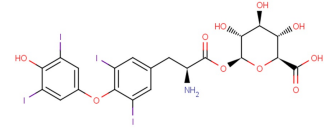


Data Sheet (Cat.No.T11843)

Levothyroxine acyl glucuronide

Chemical Properties

CAS No.:	909880-81-5
Formula:	C ₂₁ H ₁₉ I ₄ NO ₁₀
Molecular Weight:	952.99
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Levothyroxine acyl glucuronide (Thyroxine Acyl-β-D-glucuronide), the acyl glucuronide formation of thyroxine (T4), an endogenous metabolite.
Targets(IC ₅₀)	Endogenous metabolite: None
In vitro	Levothyroxine acyl glucuronide is a metabolite of T4 glucuronides after hydrolysis with β-glucuronidase[1].

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.049 mL	5.247 mL	10.493 mL
5 mM	0.21 mL	1.049 mL	2.099 mL
10 mM	0.105 mL	0.525 mL	1.049 mL
50 mM	0.021 mL	0.105 mL	0.21 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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.

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