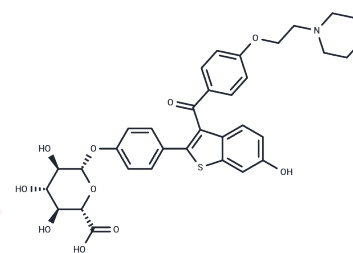


Raloxifene 4'-glucuronide

Chemical Properties

CAS No. :	182507-22-8
Formula:	C34H35NO10S
Molecular Weight:	649.71
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Raloxifene 4'-glucuronide is a primary metabolite of Raloxifene.
Targets(IC50)	Others
In vitro	Based on rates of Raloxifene glucuronidation and known extrahepatic expression, UGT1A8 and 1A10 appear to be primary contributors to Raloxifene glucuronidation in human jejunum microsomes. For human liver microsomes, the variability of Raloxifene 4'-glucuronide formation is 4-fold. Treatment of expressed UGTs with alamethicin results in minor increases in enzyme activity, whereas in human intestinal microsomes, maximal increases of 9-fold for the Raloxifene 4'-glucuronide are observed. Intrinsic clearance values in intestinal microsomes are 95 µl/min/mg for the Raloxifene 4'-glucuronide[2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5391 mL	7.6957 mL	15.3915 mL
5 mM	0.3078 mL	1.5391 mL	3.0783 mL
10 mM	0.1539 mL	0.7696 mL	1.5391 mL
50 mM	0.0308 mL	0.1539 mL	0.3078 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Izgelov D, et al. The Effect of Piperine Pro-Nano Lipospheres on Direct Intestinal Phase II Metabolism: The Raloxifene Paradigm of Enhanced Oral Bioavailability. Mol Pharm. 2018 Apr 2;15(4):1548-1555.

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