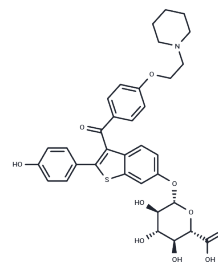


Raloxifene 6-glucuronide

Chemical Properties

CAS No. :	174264-50-7
Formula:	C ₃₄ H ₃₅ N ₁ O ₁₀ S
Molecular Weight:	649.71
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Raloxifene 6-glucuronide, a primary metabolite of Raloxifene, is mediated predominantly by UGT1A1 and UGT1A8.
Targets(IC50)	Estrogen Receptor/ERR,Others
In vitro	Correlation analyses reveals that UGT1A1 is responsible for Raloxifene 6-glucuronide but not Raloxifene 4'-glucuronide in liver. Treatment of expressed UGTs with alamethicin results in minor increases in enzyme activity, whereas in human intestinal microsomes, maximal increases of 8-fold for the Raloxifene 6-glucuronide are observed. Intrinsic clearance values in intestinal microsomes are 17 µl/min/mg for the Raloxifene 6-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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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.

Kemp DC, et al. Characterization of raloxifene glucuronidation in vitro: contribution of intestinal metabolism to presystemic clearance. *Drug Metab Dispos*. 2002 Jun;30(6):694-700.

Yang NN, et al. Estrogen and raloxifene stimulate transforming growth factor-beta 3 gene expression in rat bone: a potential mechanism for estrogen- or raloxifene-mediated bone maintenance. *Endocrinology*. 1996 May;137(5):2075-84.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481