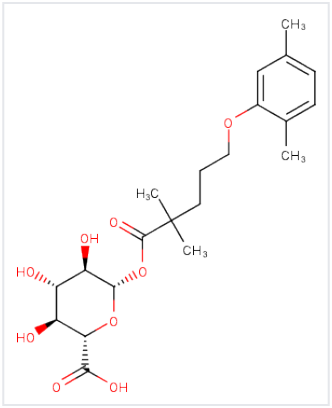
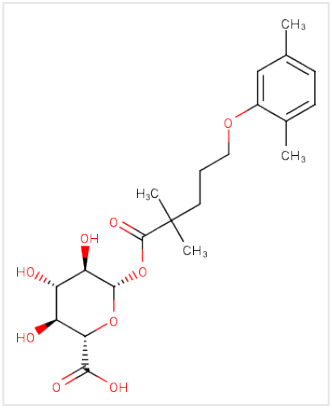
Gemfibrozil 1-O-beta-glucuronide Inhibitor

PRODUCT OVERVIEW

Product Name	Gemfibrozil 1-O-beta-glucuronide, Inhibitor
Full Product Name	Gemfibrozil 1-O-beta-glucuronide
Purity/Purification	98%
Preparation and Storage	Powder: -2 degree C for 3 years In solvent: -80 degree C for 2 years
Molecular Weight	426.462
SMILES	Cc1ccc(C)c(OCCCC(C)(C)C(=O)O[C@@H]2O[C@@H]([C@@H](O)[C@H](O)[C@H]2O)C(O)=O)c1
Formula	C21H30O9
CAS Number	91683-38-4
Target	Others CYP2C8: 4.07uM
Solubility	(<1mg/mL refers to the product slightly soluble or insoluble)
In_vitro	Gemfibrozil 1-O-beta-Glucuronide inhibits CYP2C8-mediated M1, M23 formation with IC50s of 5.38uM, 4.30uM, and has no effects for CYP2C8-mediated M3 formation. Gemfibrozil 1-O-beta-Glucuronide has an IC50 of 243uM for the CYP3A4- mediated metabolism.Gemfibrozil 1-O-beta-Glucuronide significantly inhibits the OATP2 (OATP1B1)-mediated uptake of Cerivastatin with an IC50 of 24.3uM.
Product Categories/Family for Gemfibrozil 1-O-beta-glucuronide, inhibitor	Others
Related Product Information for Gemfibrozil 1-O-beta-glucuronide, inhibitor	Gemfibrozil 1-O-beta-Glucuronide, a metabolite of Gemfibrozil, is a potent and competitive P450 (CYP) isoform CYP2C8 inhibitor with an IC50 of 4.07uM.
Product References and Citations for Gemfibrozil 1-O-beta-glucuronide, inhibitor	1 Shitar Y e al Gemfibrozi an it glucuronid inhibi th organi anio transportin polypeptid 2(OATP2/OATP1B1:SLC21A6)-mediate hepati uptak an CYP2C8-mediate metabolis o cerivastatin analysi o th mechanis o th clinicall relevan drug-dru interactio betwee cerivastati an gemfibrozil Pharmaco Ex Ther 200 Oct 11(1):228-36. 2 Bae BR e al Benzyli oxidatio o gemfibrozil-1-O-beta-glucuronid b P45 2C lead t hem alkylatio an irreversibl inhibition Che Re Toxicol 200 Jul 2(7):1298-309.
Other Notes	Small volumes of Gemfibrozil 1-O-beta-glucuronide, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Gemfibrozil 1-O-beta-glucuronide purchase	MBS5766716 is an inhibitor targeting Gemfibrozil 1-O-beta-glucuronide.



Structure of Gemfibrozil 1-O-beta-glucuronide, inhibitor
Gemfibrozil 1-O-beta-glucuronide, CAS 91683-38-4



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MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/inhibitor/gemfibrozil-1-o-beta-glucuronide/5766716