

Product Data Sheet

Product Name: Ezetimibe phenoxy glucuronide

Cat. No.: GC60831

Chemical Properties

Cas. No. 190448-57-8

SMILES O[C@H]([C@H]([C@@H]([C@@H](C(O)=O)O1)O)O)[C@@H]1OC2=CC=C([C@H]([C@H]3CC[C@@H](C4=CC=C(F)C=C4)O)N(C5=CC=C(F)C=C5)C3=O)C=C2

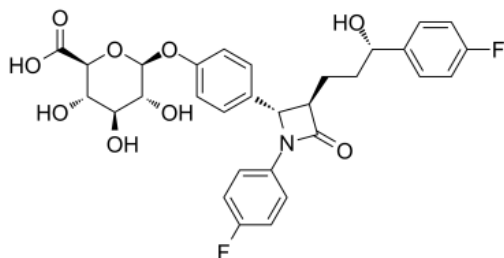
Formula $C_{30}H_{29}F_2NO_9$ M.Wt 585.55

Solubility DMSO : 100 mg/mL (170.78 mM; Need ultrasonic) Storage Store at -20°C

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

Ezetimibe phenoxy glucuronide (Ezetimibe glucuronide) is the active metabolite of Ezetimibe. Antihyperlipoproteinemic activity[1]. Ezetimibe is a potent cholesterol absorption inhibitor[2].

After oral administration, Ezetimibe is absorbed in the small intestine and more than 80% of Ezetimibe metabolized to Ezetimibe Glucuronide[1].

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

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[1]. Stolk MF, et al. Severe hepatic side effects of ezetimibe. Clin Gastroenterol Hepatol. 2006 Jul;4(7):908-11. [2]. Lee DH, et al. Ezetimibe, an NPC1L1 inhibitor, is a potent Nrf2 activator that protects mice from diet-induced nonalcoholic steatohepatitis. Free Radic Biol Med. 2016 Sep 12;99:520-532.

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