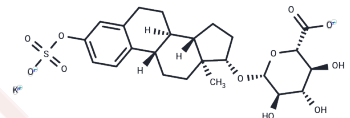


Estradiol 3-sulfate 17 β -Glucuronide potassium salt

Chemical Properties

CAS No. :	10392-35-5
Formula:	C ₂₄ H ₃₀ K ₂ O ₁₁ S
Molecular Weight:	604.75
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Estradiol 3-sulfate 17 β -Glucuronide potassium salt (Estradiol 3-sulfate 17-glucuronide potassium) is a naturally occurring estrogen that competitively inhibits MRP-mediated LTC transporter and can be used to study metabolic diseases.
Targets(IC50)	Others,P-gp

Solubility Information

Solubility	PBS (pH 7.2): 10 mg/mL (16.54 mM),Sonication is recommended. DMF: < 1 mg/mL (insoluble or slightly soluble) PBS pH7.2: 4 mg/mL (6.61 mM),Sonication is recommended. DMSO: 2 mg/mL (3.31 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6536 mL	8.2679 mL	16.5358 mL
5 mM	0.3307 mL	1.6536 mL	3.3072 mL
10 mM	0.1654 mL	0.8268 mL	1.6536 mL
50 mM	0.0331 mL	0.1654 mL	0.3307 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

Loe DW, et al., ATP-dependent 17 beta-estradiol 17-(beta-D-glucuronide) transport by multidrug resistance protein (MRP). Inhibition by cholestatic steroids. J Biol Chem. 1996 Apr 19;271(16):9683-9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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