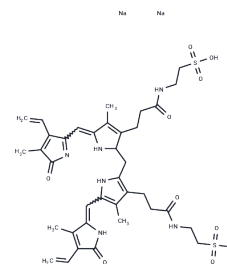


Bilirubin Conjugate (sodium salt)

Chemical Properties

CAS No. : 68683-34-1
 Formula: C₃₇H₄₆N₆Na₂O₁₀S₂
 Molecular Weight: 844.91
 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	Bilirubin conjugate is a stable, water-soluble ditaurate derivative of bilirubin meant to mimic endogenous bilirubin glucuronide derivatives.
Targets(IC50)	Others, Drug Metabolite
In vivo	In vivo, bilirubin circulates in the plasma and is taken up by hepatocytes and conjugated to one or two glucuronic acids in a reaction catalyzed by UDP glucuronidase to form bilirubin mono or diglucuronide. This water-soluble form is then excreted from the liver in bile in the feces or is converted to urobilinogen and excreted in the urine. In addition to aiding in the disposal of heme, bilirubin and its conjugated derivatives have been shown to exhibit anti-oxidant and antimutagenic effects and to play a role in gut barrier function.

Solubility Information

Solubility	DMF: 0.25 mg/mL (0.3 mM), Sonication is recommended. DMSO: 10 mg/mL (11.84 mM), Sonication is recommended. H ₂ O: 5 mg/mL (5.92 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	1.1836 mL	5.9178 mL	11.8356 mL
5 mM	0.2367 mL	1.1836 mL	2.3671 mL
10 mM	0.1184 mL	0.5918 mL	1.1836 mL
50 mM	0.0237 mL	0.1184 mL	0.2367 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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