

Product Data Sheet

Product Name: Policresulen

Cat. No.: GC65864

Chemical Properties

Cas. No. 101418-00-2

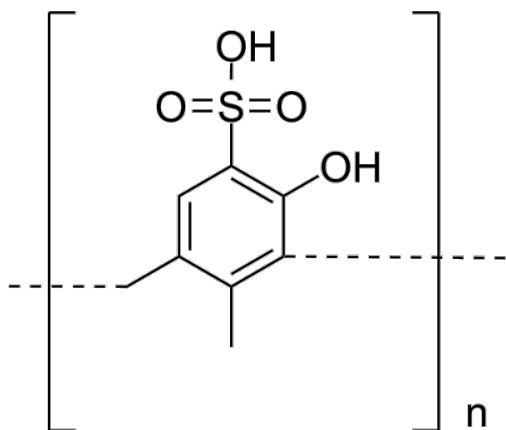
Formula $(C_8H_{10}O_4S)_n$ M.Wt

Solubility H_2O : 100 mg/mL (Need ultrasonic); Storage $4^\circ C$, away from moisture and light
DMSO : 50 mg/mL (Need ultrasonic)

General tips For obtaining a higher solubility , please warm the tube at $37^\circ C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^\circ C$ 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

Policresulen is a potent inhibitor of **DENV2 NS2B/NS3 protease** (IC_{50} of $0.48 \mu g/mL$). Policresulen inhibits DENV2 replication in BHK-21 cells with IC_{50} of $4.99 \mu g/mL$. Policresulen acts as a competitive inhibitor of the protease, and slightly affects the protease stability^[1].

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

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