

Product Data Sheet

Product Name: Galactinol (hydrate)

Cat. No.: GC43720

Chemical Properties

Cas. No. 1217474-91-3

SMILES O[C@H]1[C@H](O)[C@@H](O)[C@@H](O)[C@@H](O[C@@]2([H])O[C@H](CO)[C@H](O)[C@H](O)[C@H]2O)[C@@H]1O.O.O

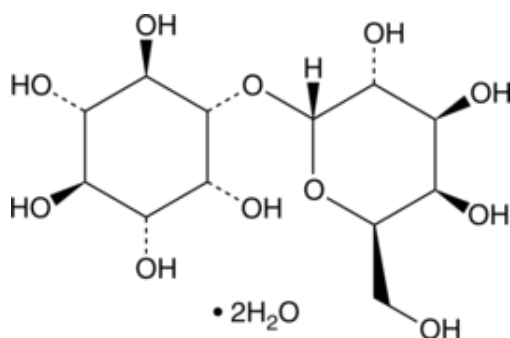
Formula $C_{12}H_{22}O_{11} \cdot 2H_2O$ M.Wt 378.3

Solubility DMSO: 0.5 mg/mL, PBS (pH 7.2): 5 mg/mL 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

Galactinol, an α -galactoside of inositol that has been isolated from sugar beets, serves as a galactosyl donor in the transglycosidase-catalyzed biosynthesis of the raffinose family. It is generated from myo-inositol and uridine diphosphate galactose in a galactosyltransferase-catalyzed reaction.

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

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