

Product Data Sheet

Product Name: D-Dimannuronic acid

Cat. No.: GC60744

Chemical Properties

Cas. No. 34044-53-6

SMILES O[C@H]1[C@H]([C@H]([C@@H]([C@@H](C(O)=O)O1)O[C@H]2[C@H]([C@H]([C@@H]([C@@H]([C@@H](C(O)=O)O2)O)O)O)O)O

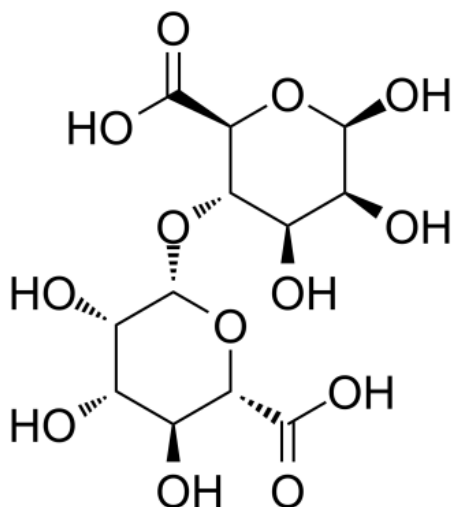
Formula $C_{12}H_{18}O_{13}$ M.Wt 370.26

Solubility 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



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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

D-Dimannuronic acid is an alginate extract from brown algae which can be used to synthesize sulfated polymannuronate (SPMG)-derived oligosaccharides[1].

[1]. Liu H, et, al. Multiple and multivalent interactions of novel anti-AIDS drug candidates, sulfated polymannuronate (SPMG)-derived oligosaccharides, with gp120 and their anti-HIV activities. Glycobiology. 2005 May; 15(5):501-10.

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