

Product Data Sheet

Product Name: α -L-Rhamnose monohydrate

Cat. No.: GC37977

Chemical Properties

Cas. No. 6155-35-7

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

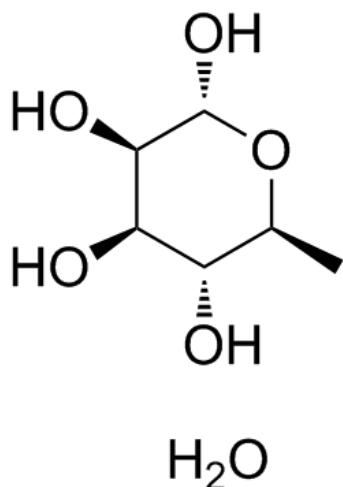
Formula $C_6H_{14}O_6$ M.Wt 182.17

Solubility Water: 100 mg/mL (548.94 mM and Storage 4°C, protect from light warming)

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

α -L-Rhamnose monohydrate is a component of the plant cell wall pectic polysaccharides rhamnogalacturonan I and rhamnogalacturonan II. α -L-Rhamnose monohydrate is also a component of bacterial polysaccharides where it plays an important role in pathogenicity.

References:

[1]. Tamayo-Ramos JA, et al. L-rhamnose induction of *Aspergillus nidulans* α -L-rhamnosidase genes is glucose repressed via a CreA-independent mechanism acting at the level of inducer uptake. *Microb Cell Fact.* 2012 Feb 21;11:26.

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