

Product Data Sheet

Product Name: D-Arabinose

Cat. No.: GC38700

Chemical Properties

Cas. No. 28697-53-2

SMILES OC1[C@H]([C@@H]([C@@H](CO1)O)O)O

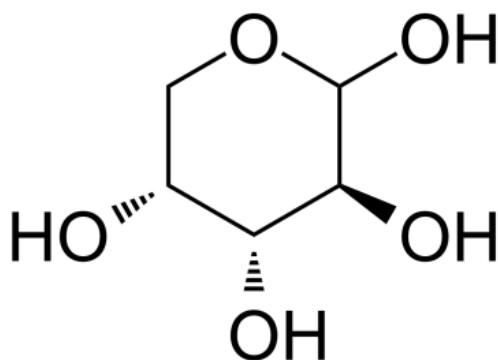
Formula $C_5H_{10}O_5$ M.Wt 150.13

Solubility DMSO : 30mg/mL Storage Store at RT

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

D-Arabinose, a monosaccharide, shows strong growth inhibition against the *Caenorhabditis elegans* with an IC₅₀ of 7.5 mM[1].

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

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[1]. Sakoguchi H, et al. Growth inhibitory effect of D-arabinose against the nematode *Caenorhabditis elegans*: Discovery of a novel bioactive monosaccharide. *Bioorg Med Chem Lett*. 2016 Feb 1;26(3):726-729.

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