
Product Data Sheet

Product Name: Guluronic acid

Cat. No.: GC60888

Chemical Properties

Cas. No. 15769-56-9

SMILES O=C[C@@H]([C@@H]([C@H]([C@@H](C(O)=O)O)O)O)OFormula $C_6H_{10}O_7$

M.Wt 194.14

Solubility DMSO : 5 mg/mL (25.75 mM; ultrasonic and warming and heat to 60°C)

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**

Guluronic acid (G2013), one of the organic building blocks of hyaluronic acid, is a nonsteroidal anti-inflammatory agent has favorable anti-inflammatory effect[1][2].

[1]. Amaniampong PN, et al. Selective and Catalyst-free Oxidation of D-Glucose to D-Glucuronic acid induced by High-Frequency Ultrasound. Sci Rep. 2017;7:40650. Published 2017 Jan 13. [2]. Nazeri S, et al. The safety and efficacy of Guluronic acid (G2013) in ankylosing spondylitis: A randomized controlled parallel clinical trial.

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

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