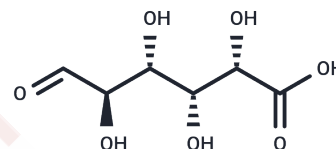


## Guluronic acid

## Chemical Properties

CAS No. : 15769-56-9  
 Formula: C<sub>6</sub>H<sub>10</sub>O<sub>7</sub>  
 Molecular Weight: 194.139  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

|               |  |
|---------------|--|
| Description   | Guluronic acid (G2013) is an organic building block found in hyaluronic acid. It functions as a nonsteroidal anti-inflammatory agent and displays a beneficial anti-inflammatory effect. |
| Targets(IC50) | Beta Amyloid,Others  |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 5.1509 mL | 25.7546 mL | 51.5092 mL |
| 5 mM  | 1.0302 mL | 5.1509 mL  | 10.3018 mL |
| 10 mM | 0.5151 mL | 2.5755 mL  | 5.1509 mL  |
| 50 mM | 0.103 mL  | 0.5151 mL  | 1.0302 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

- 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.
- Nazeri S, et al. The safety and efficacy of Guluronic acid (G2013) in ankylosing spondylitis: A randomized controlled parallel clinical trial. *Pharmacol Rep.* 2019;71(3):393-398.

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