
Product Data Sheet

Product Name: L-octaguluronic acid octasodium salt

Cat. No.: GC61001

Chemical Properties

Cas. No. 862694-88-0

SMILES

O=C([C@H](O[C@H]1O[C@@H]([C@@H]([C@@H]2O)O)[C@@H](O[C@H]2O[C@@H]([C@@H]([C@@H]3O)O)[C@@H](O[C@H]3O[C@@H]([C@@H]([C@@H]4O)O)[C@@H](O[C@H]4O)C(O[Na])=O)C(O[Na])=O)C(O[Na])=O)[C@H]([C@@H]([C@@H]1O)O)O[C@@H]([C@H]([C@H]5O)O)O[C@H]([C@H]5O[C@@H]([C@H]([C@H]6O)O)O[C@H]([C@H]6O[C@@H]([C@H]([C@H]7O)O)O[C@H]([C@H]7O[C@@H]([C@H]([C@H]8O)O)O[C@H]([C@H]8O)C(O[Na])=O)C(O[Na])=O)C(O[Na])=O)C(O[Na])=O)O[Na]
Formula C₄₈H₅₈Na₈O₄₉

M.Wt

1602.86

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

Background

L-octaguluronic acid octasodium salt is extracted from seaweed. L-octaguluronic acid octasodium salt is the component of the natural biopolymers, alginates[1][2].

[1]. Iwamoto M, et, al. Structure-activity relationship of alginate oligosaccharides in the induction of cytokine production from RAW264.7 cells. FEBS Lett. 2005 Aug 15; 579(20): 4423-9. [2]. Plazinski W, et, al. Conformational properties of acidic oligo- and disaccharides and their ability to bind calcium: a molecular modeling study. Carbohydr Res. 2012 Aug 1; 357:111-7.

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

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