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Zuschläge

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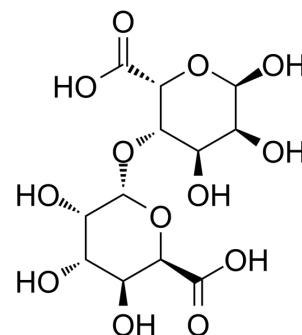
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L-Diguluronic acid

Cat. No.:	HY-N7701
CAS No.:	34044-54-7
Molecular Formula:	C ₁₂ H ₁₈ O ₁₃
Molecular Weight:	370.26
Target:	Fungal
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

L-Diguluronic acid is a linear polysaccharide copolymer composed of two L-guluronic acid (G) and can be used to form Alginate^[1]. Alginate is a generic name of unbranched polyanionic polysaccharides and can be used for the research of antifungal agents delivery carriers^[2].

In Vitro

Alginate is a generic name assigned to a series of polyanionic polysaccharides of β-d-mannuronic acid (M) and α-L-guluronic acid (G). Alginate is linked by a 1→4 linkage and displaying chain homosequences of MMM and GGG, interspersed with MGM heterosequences^[1].

Alginate is widely used for obtainment of drug delivery systems due to its non-toxicity, biodegradability, biocompatibility, mucoadhesive, and non-immunogenic properties. Additionally, alginate-based antifungal delivery systems have great potential in the treatment of fungal infections in vivo^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. R.A. Shirwaiker, et al. L-Guluronic Acid

[2]. Cristina de Castro Spadari, et al. Potential Use of Alginate-Based Carriers As Antifungal Delivery System. *Front Microbiol.* 2017 Jan 30;8:97.

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

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