

Alginic acid

Chemical Properties

CAS No. : 9005-32-7

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Alginic acid

Biological Description

Description	Alginic acid (Snow acid algin G) is a natural polysaccharide extracted from brown seaweeds with anti-anaphylactic and anti-inflammatory activities. Alginic acid inhibits histamine release and can be used in the food industry.
Targets(IC50)	Apoptosis,Endogenous Metabolite,Autophagy,Histamine Receptor
In vitro	Alginic acid induces oxidative stress-mediated hormone secretion disorder, apoptosis and autophagy in mouse granulosa cells and ovaries[2].

Solubility Information

Solubility	DMSO: Slightly soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Reference

Cui J, et al. Alginic acid induces oxidative stress-mediated hormone secretion disorder, apoptosis and autophagy in mouse granulosa cells and ovaries. Toxicology. 2022;467:153099.

Jeong HJ, et al. Alginic acid has anti-anaphylactic effects and inhibits inflammatory cytokine expression via suppression of nuclear factor-kappaB activation. Clin Exp Allergy. 2006;36(6):785-794.

Guo X, et al. Structures, properties and application of alginic acid: A review. Int J Biol Macromol. 2020;162:618-628.

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