

## Hyaluronic acid sodium [9067-32-7]

#Cat: NB-64-29377-1g	Size: 1g
#Cat : NB-64-29377-50mg	Size: 50 mg
#Cat : NB-64-29377-100mg	Size: 100 mg
#Cat : NB-64-29377-200mg	Size: 200 mg
#Cat : NB-64-29377-500mg	Size: 500 mg

### Chemical Properties:

CAS No: 9067-32-7

Formula:

Molecular Weight:

Appearance: Solid

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

### Biological Description:

<b>Description</b>	Hyaluronic acid sodium (Sodium Hyaluronate) is an anionic, nonsulfated glycosaminoglycan distributed widely throughout connective, epithelial, and neural tissues. It is unique among glycosaminoglycans in that it is nonsulfated, forms in the plasma membrane instead of the Golgi, and can be very large, with its molecular weight often reaching the millions. One of the chief components of the extracellular matrix, hyaluronic acid contributes significantly to cell proliferation and migration, and may also be involved in the progression of some malignant tumors.
<b>Targets (IC50)</b>	Others,Akt,Endogenous Metabolite,Antibacterial,PI3K

### Solubility Information

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

- Wu RL, et al. Hyaluronic acid in digestive cancers. J Cancer Res Clin Oncol. 2017 Jan;143(1):1-16.
- Lee H S, Myers C, Zaidel L, et al. Competitive Adsorption of Polyelectrolytes onto and into Pellicle-Coated Hydroxyapatite Investigated by QCM-D and Force Spectroscopy. ACS applied materials & interfaces. 2017, 9(15): 13079-13091.
- Kogan G, et al. Hyaluronic acid: a natural biopolymer with a broad range of biomedical and industrial applications. Biotechnol Lett. 2007 Jan;29(1):17-25.
- Salwowska NM, et al. Physiochemical properties and application of hyaluronic acid: a systematic review. J Cosmet Dermatol. 2016 Dec;15(4):520-526.
- Lee H S, Myers C, Zaidel L, et al. Competitive Adsorption of Polyelectrolytes onto and into Pellicle-Coated Hydroxyapatite Investigated by QCM-D and Force Spectroscopy[J]. ACS applied materials & interfaces. 2017, 9(15): 13079-13091.

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