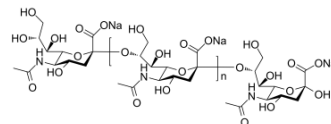


## Colominic acid sodium salt

Cat. No.:	HY-N7476
CAS No.:	70431-34-4
Target:	Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Colominic acid sodium salt (Polysialic acid sodium salt) could be naturally isolated from the cell wall of Escherichia coli and animals, gives a red color which has an absorption maximum at 530 nm. Colominic acid sodium salt (Polysialic acid sodium salt) possesses anti-bacterial activity <sup>[1][2]</sup> .
<b>In Vitro</b>	Colominic acid (Polysialic acid) is an form of N-glycosylation with great specificity for its limited central nervous system targets, including the cell adhesion molecules neural cell adhesion molecule (NCAM) and synaptic cell adhesion molecule 1 (SynCAM1), and the receptor, neuropilin-2 <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Guy T. Barry, et al. COLOMINIC ACID, A POLYMER OF N-ACETYLNEURAMINIC ACID. J Exp Med. 1958 Apr 1;107(4):507-21.
- [2]. Osama I Alwassil, et al. Design, synthesis, and structural elucidation of novel NmeNANAS inhibitors for the treatment of meningococcal infection. PLoS One. 2019 Oct 16;14(10):e0223413.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA