

FT-IU6451



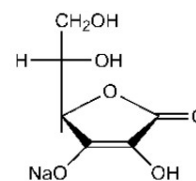
INTERFINE CHEMICALS ANALYTICAL SCIENCES BIOCHROMATOGRAPHY LIFE SCIENCES

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L-Ascorbic acid sodium salt

Product Description

Name :	L-Ascorbic acid sodium salt
Catalog Number :	IU6451, 100g
CAS:	134-03-2
Formula:	$C_6H_7NaO_6$
MW=	198,11
Solubility:	Soluble in water. Slightly soluble in alcohol. Insoluble in chlo
Storage:	Room temperature ζ



Applications

L-Ascorbic acid sodium salt is used as an antioxidant, an acidity regulator and an antimicrobial in food stuffs. As a reductant, it is involved in the isolation of chloroplasts. It acts as a coenzyme for many hydroxylation reactions. It plays a vital role to eliminate chronic and acute infections. It finds applications as an additive in curing meat products such as ham and sausage meat. It is widely used as a nutritional supplement in agriculture and animal feed to promote the growth of young animals and prevent scurvy. It is also used as an intermediate in the manufacture of various organic chemicals.

Specifications

Appearance (Color):	White to pale cream
Form:	Powder
Assay (Non-aqueous acid-base Titration):	>98.5 to <101.5%
Optical Rotation:	+105.0°±2°(c=5 in Water)

References

- Li, Q.; Wang, Z.; Zhang, S.; Zheng, W.; Zhao, Q.; Zhang, J.; Wang, L.; Wang, S.; Kong, D. Functionalization of the surface of electrospun poly (epsilon-caprolactone) mats using zwitterionic poly (carboxybetaine methacrylate) and cell-specific peptide for endothelial progenitor cells capture. *Mater. Sci. Eng., C* **2013**, *33* (3), 1646-1653.
- de Tercero, M. D.; Martínez, I. G.; Herrmann, M.; Bruns, M.; Kübel, C.; Jennewein, S.; Fehrenbacher, U.; Barner, L.; Turk, M. Synthesis of in situ functionalized iron oxide nanoparticles presenting alkyne groups via a continuous process using near-critical and supercritical water. *J. Supercrit. Fluids* **2013**, *82*, 83-95.

Ordering information

Catalog size quantities and prices may be found at <http://www.interchim.com>.
Please inquire for higher quantities (availability, shipment conditions).

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