



LKT Laboratories, Inc.

Concanavalin A

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Product Information

Product ID C5654
CAS No. 11028-71-0
Chemical Name

Synonym ConA

Formula
Formula Wt.
Melting Point

Purity $\geq 98\%$

Solubility Soluble in water. (Hazy)

Store Temp -20°C

Ship Temp Ambient

Description Concanavalin A is a lectin found in *Canavalia* that exhibits immunostimulatory, pro-fibrotic, and anticancer chemotherapeutic activities. Concanavalin A is a plant mitogen that activates T cells; it binds α -D-mannosyl and α -D-glucosyl residues on sugars, glycoproteins, and glycolipids. Concanavalin A is used in research to study cell adhesion. In vivo, concanavalin A induces fibrosis. In animal models of hepatoma, concanavalin A induces autophagy and cell death and decreases tumor nodule formation.

Bulk quantities available upon request

Product ID	Size
C5654	50 mg
C5654	250 mg
C5654	500 mg
C5654	1 g

References Wan Y, Tang MH, Chen XC, et al. Inhibitory effect of liposomal quercetin on acute hepatitis and hepatic fibrosis induced by concanavalin A. *Braz J Med Biol Res.* 2014 Aug;47(8):655-61. PMID: 25098714.

Lei HY, Chang CP. Lectin of Concanavalin A as an anti-hepatoma therapeutic agent. *J Biomed Sci.* 2009 Jan 19;16:10. PMID: 19272170.

Dwyer JM, Johnson C. The use of concanavalin A to study the immunoregulation of human T cells. *Clin Exp Immunol.* 1981 Nov;46(2):237-49. PMID: 6461456.

Noonan KD, Burger MM. The relationship of concanavalin A binding to lectin-initiated cell agglutination. *J Cell Biol.* 1973 Oct;59(1):134-42. PMID: 4201706.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.