

## Xanthan gum

## Chemical Properties

CAS No. : 11138-66-2

Formula:

Molecular Weight:

Storage: Keep away from moisture, Store at low temperature,  
Store under nitrogen  
Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
Actual storage temperature shall be subject to the COA.

## Biological Description

Description	Xanthan gum is a hydrophilic polysaccharide produced by the fermentation of <i>Aeromonas</i> spp. It possesses a variety of anti-tumor, anti-viral, anti-bacterial, and immunomodulatory activities, and is capable of stimulating the in vitro expansion of CIK cells.
Targets(IC50)	Others

## Solubility Information

Solubility	H2O: 1 mg/mL, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Reference

Dzionic A, Wojcieszynska D, Guzik U. Use of xanthan gum for whole cell immobilization and its impact in bioremediation - a review. *Bioresour Technol.* 2022 May;351:126918.  
Becker A, Katzen F, Pühler A, Ielpi L. Xanthan gum biosynthesis and application: a biochemical/genetic perspective. *Appl Microbiol Biotechnol.* 1998 Aug;50(2):145-52.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286 E\_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481