

## Mag Beads ConA

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage:

Store at 4°C

Actual storage temperature shall be subject to the COA.

## Biological Description

## Description

TargetMol Mag Beads ConA is an affinity separation product prepared by stably covalently coupling concanavalin A (ConA), derived from the sword bean (*Canavalia ensiformis*), to the surface of superparamagnetic magnetic beads. Concanavalin A is a classic sugar-binding lectin that, in the presence of  $\text{Ca}^{2+}$  and  $\text{Mn}^{2+}$ , can specifically recognize and bind to glycosylated molecules containing terminal  $\alpha$ -D-mannose or  $\alpha$ -D-glucose groups. This property makes it widely applicable for the separation, purification, and functional studies of biomolecules such as glycoproteins, glycolipids, polysaccharides, and membrane glycoproteins.

This product features rapid magnetic response, high binding capacity, strong specificity, and excellent stability. It can be used to separate and enrich glycosylated molecules on the cell surface or within cells, and is also suitable for the separation and purification of target molecules such as glycoproteins from serum, cell lysates, or tissue extracts. Additionally, ConA magnetic beads can be used in experimental steps such as cell fixation and nuclear isolation. They are also widely applied in epigenetic research within nucleic acid-targeted cleavage and release systems, such as CUT&RUN and CUT&Tag, to enhance chromatin manipulation efficiency and experimental reproducibility.

TargetMol Mag Beads ConA combine excellent biocompatibility with ease of use, enabling rapid binding and elution of target molecules via magnetic separation. They are suitable for a wide range of research applications, including glycosylation studies, protein functional analysis, cell biology, and epigenetics.

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

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

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