

## Guar gum

Cat. No.:	HY-W145516
CAS No.:	9000-30-0
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

# Guar gum

### BIOLOGICAL ACTIVITY

#### Description

Guar gum is a versatile polymer for drug delivery applications. Guar gum displays thickening, emulsifying, binding and gelling properties, quick solubility in cold water, wide pH stability, film forming ability and biodegradability, it finds applications in large number of industries. Guar gum can be isolated from the powdered endosperm of the seeds of the *Cyamopsis tetragonolobus*. Guar gum can be used as an excipient, such as thickener, suspending agent. Pharmaceutical excipients, or pharmaceutical auxiliaries, refer to other chemical substances used in the pharmaceutical process other than pharmaceutical ingredients. Pharmaceutical excipients generally refer to inactive ingredients in pharmaceutical preparations, which can improve the stability, solubility and processability of pharmaceutical preparations. Pharmaceutical excipients also affect the absorption, distribution, metabolism, and elimination (ADME) processes of co-administered drugs [1][2][3].

### REFERENCES

- [1]. Thombare N, et al. Guar gum as a promising starting material for diverse applications: A review. *Int J Biol Macromol*. 2016 Jul;88:361-72.
- [2]. George A, et al. Guar gum: Versatile natural polymer for drug delivery applications[J]. *European Polymer Journal*, 2019, 112: 722-735.
- [3]. Elder DP, et al. Pharmaceutical excipients - quality, regulatory and biopharmaceutical considerations. *Eur J Pharm Sci*. 2016 May 25;87:88-99.

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

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