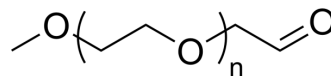


## mPEG-CHO (MW 5000)

Cat. No.:	HY-155921
CAS No.:	70086-22-5
Molecular Formula:	(C <sub>2</sub> H <sub>4</sub> O) <sub>n</sub> C <sub>3</sub> H <sub>6</sub> O <sub>2</sub>
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

mPEG-CHO (MW 5000) participates in the formation of a three-dimensional porous scaffold which carries active substances to form a delivery vehicle. The -CHO functional group interacts with the -NH<sub>2</sub> functional group of the chitosan chain to form a glutaraldehyde-type adduct to functionalize mPEG. This functionalization and cross-linking can affect the rigidity of the delivery system, allowing slow release of the cross-linked conjugate system.

### REFERENCES

[1]. Kumar P, et al. Macroporous chitosan/methoxypoly(ethylene glycol) based cryosponges with unique morphology for tissue engineering applications. Sci Rep. 2021 Feb 4;11(1):3104.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA