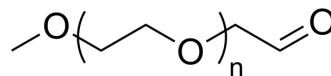


## mPEG-CHO (MW 10000)

Cat. No.:	HY-155922
CAS No.:	70086-22-5
Molecular Formula:	$(C_2H_4O)_n C_3H_6O_2$
Target:	Liposome
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

mPEG-CHO (MW 10000) 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.**

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