# m-PEG-OH (MW 20000)

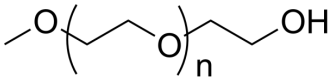
**Cat. No.:** HY-140696C

**CAS No.:** 9004-74-4

**Target:** PROTAC Linkers; Liposome

**Pathway:** PROTAC; Metabolic Enzyme/Protease

**Storage:** Please store the product under the recommended conditions in the Certificate of Analysis.




## BIOLOGICAL ACTIVITY

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| **Description** | m-PEG-OH (MW 20000) can be used as a macroinitiator to participate in the synthesis of amphiphilic block copolymers. Nanoscale micelles can be prepared by using amphiphilic block copolymers to deliver active drugs. Paclitaxel (HY-B0015), a hydrophobic anticancer agent encapsulated in micelles, has stronger activity in killing cancer cells than free Paclitaxel. And it preferentially accumulates in tumor tissue with only limited distribution in healthy organs. |
| **In Vitro** | PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only. |

## REFERENCES

[1]. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBioMedicine. 2018 Oct;36:553-562

[2]. Lee AL, et al. The use of cholesterol-containing biodegradable block copolymers to exploit hydrophobic interactions for the delivery of anticancer drugs. Biomaterials. 2012 Feb;33(6):1921-8.



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