

Product Data Sheet

m-PEG-OH (MW 10000)

Cat. No.: HY-140696D CAS No.: 9004-74-4 Target: Liposome

Metabolic Enzyme/Protease Pathway:

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

Analysis.

BIOLOGICAL ACTIVITY

Description

m-PEG-OH (MW 10000) can be used as a macroinitiator to participate in the synthesis of amphiphilic block copolymers. Amphiphilic block copolymers can be used to prepare nanoscale micelles 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.

REFERENCES

[1]. 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.

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

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Proteins

Inhibitors