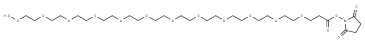
# Data Sheet (Cat.No.T20901)

TargetMol

## Methyl-PEG12-NHS Ester

### Chemical Properties



CAS No. : 756525-94-7

Formula: C30H55NO16

Molecular Weight: 685.75

Storage: Keep away from direct sunlight
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

### Biological Description

| | |
|---|---|
| Description | Methyl-PEG12-NHS Ester （m-PEG12-NHS ester） is a polyethylene glycol (PEG) derivative containing NHS ester, which is often used as a PROTAC Linker for labeling amine-modified oligonucleotides, primary amines (-NH2) of proteins, and other amine-containing molecules. |
| Targets(IC50) | PROTAC Linker |

### Solubility Information

| | |
|---|---|
| Solubility | DMSO: 5 mg/mL (7.29 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (1.46 mM),Sonication is recommended.<br>*Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.* |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|---|---|---|---|
| 1 mM | 1.4583 mL | 7.2913 mL | 14.5826 mL |
| 5 mM | 0.2917 mL | 1.4583 mL | 2.9165 mL |
| 10 mM | 0.1458 mL | 0.7291 mL | 1.4583 mL |
| 50 mM | 0.0292 mL | 0.1458 mL | 0.2917 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Tian Y, Zhu H, Wu J, Wang S. Effect of improved preservation solution with methoxy polyethylene glycol succinimidyl propionate on rat cornea. Cell Tissue Bank. 2018 Dec;19(4):667-679.
Brown A, Patel S, Ward C, Lorenz A, Ortiz M, DuRoss A, Wieghardt F, Esch A, Otten EG, Heiser LM, Korolchuk VI, Sun C, Sarkar S, Sahay G. PEG-lipid micelles enable cholesterol efflux in Niemann-Pick Type C1 disease-based lysosomal storage disorder. Sci Rep. 2016 Aug 30;6:31750.
Saifer MG, Williams LD, Sobczyk MA, Michaels SJ, Sherman MR. Selectivity of binding of PEGs and PEG-like oligomers to anti-PEG antibodies induced by methoxyPEG-proteins. Mol Immunol. 2014 Feb;57(2):236-46.
Garay RP, El-Gewely R, Armstrong JK, Garratty G, Richette P. Antibodies against polyethylene glycol in healthy subjects and in patients treated with PEG-conjugated agents. Expert Opin Drug Deliv. 2012 Nov;9(11):1319-23.