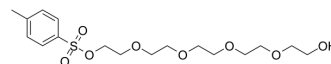


## PEG5-Tos

Cat. No.:	HY-23417
CAS No.:	155130-15-7
Molecular Formula:	C <sub>17</sub> H <sub>28</sub> O <sub>8</sub> S
Molecular Weight:	392.46
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (254.80 mM)  
 H<sub>2</sub>O : 100 mg/mL (254.80 mM; Need ultrasonic)  
 \* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.5480 mL	12.7402 mL	25.4803 mL
	5 mM	0.5096 mL	2.5480 mL	5.0961 mL
	10 mM	0.2548 mL	1.2740 mL	2.5480 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: PBS  
Solubility: 100 mg/mL (254.80 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (6.37 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (6.37 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (6.37 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

PEG5-Tos is a PEG-based PROTAC linker that can be used in the synthesis of PROTACs<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

PEGs

#### 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

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the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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## REFERENCES

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[1]. Snaebjornsson MT, et al. Non-canonical functions of enzymes facilitate cross-talk between cell metabolic and regulatory pathways. *Exp Mol Med*. 2018 Apr 16;50(4):34.

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

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