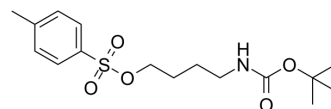


## Tos-O-C4-NH-Boc

Cat. No.:	HY-132004
CAS No.:	180851-50-7
Molecular Formula:	C <sub>16</sub> H <sub>25</sub> NO <sub>5</sub> S
Molecular Weight:	343.44
Target:	PROTAC Linkers
Pathway:	PROTAC
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (291.17 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.9117 mL	14.5586 mL	29.1172 mL
				5 mM	0.5823 mL	2.9117 mL	5.8234 mL
				10 mM	0.2912 mL	1.4559 mL	2.9117 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (7.28 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.28 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.28 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Tos-O-C4-NH-Boc is an alkyl ether-based PROTAC linker can be used in the synthesis of PROTACs, such as BSJ-03-204 (HY-136250) <sup>[1]</sup> .
IC <sub>50</sub> & Target	Alkyl/ether
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 <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]. Wang Z, et al. Proteolysis Targeting Chimeras for the Selective Degradation of Mcl-1/Bcl-2 Derived from Nonselective Targ. J Med Chem. 2019 Aug 21.

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

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