



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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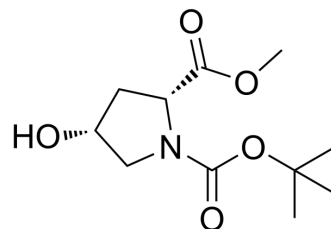
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## (2R,4R)-1-tert-Butyl 2-methyl 4-hydroxypyrrolidine-1,2-dicarboxylate

<b>Cat. No.:</b>	HY-W002680		
<b>CAS No.:</b>	114676-69-6		
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>19</sub> NO <sub>5</sub>		
<b>Molecular Weight:</b>	245.27		
<b>Target:</b>	ADC Linker; PROTAC Linkers		
<b>Pathway:</b>	Antibody-drug Conjugate/ADC Related; PROTAC		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	N-Boc-cis-4-hydroxy-D-proline methyl ester is a non-cleavable ADC linker used in the synthesis of antibody-drug conjugates (ADCs). N-Boc-cis-4-hydroxy-D-proline methyl ester is also a alkyl chain-based PROTAC linker that can be used in the synthesis of PROTACs[1]
<b>IC<sub>50</sub> &amp; Target</b>	Non-cleavable
<b>In Vitro</b>	ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker <sup>[1]</sup> . 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>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Beck A, et al. Strategies and challenges for the next generation of antibody-drug conjugates. *Nat Rev Drug Discov.* 2017;16(5):315-337.
- [2]. Nalawansa DA, et al. PROTACs: An Emerging Therapeutic Modality in Precision Medicine. *Cell Chem Biol.* 2020;27(8):998-985.

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

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