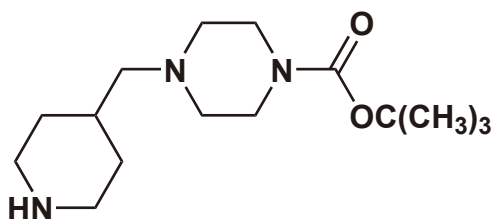
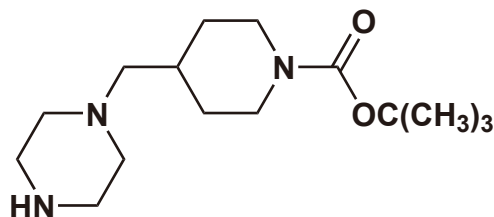


# Non-PEG Linkers for Designing Proteolysis-Targeting Chimera Molecules

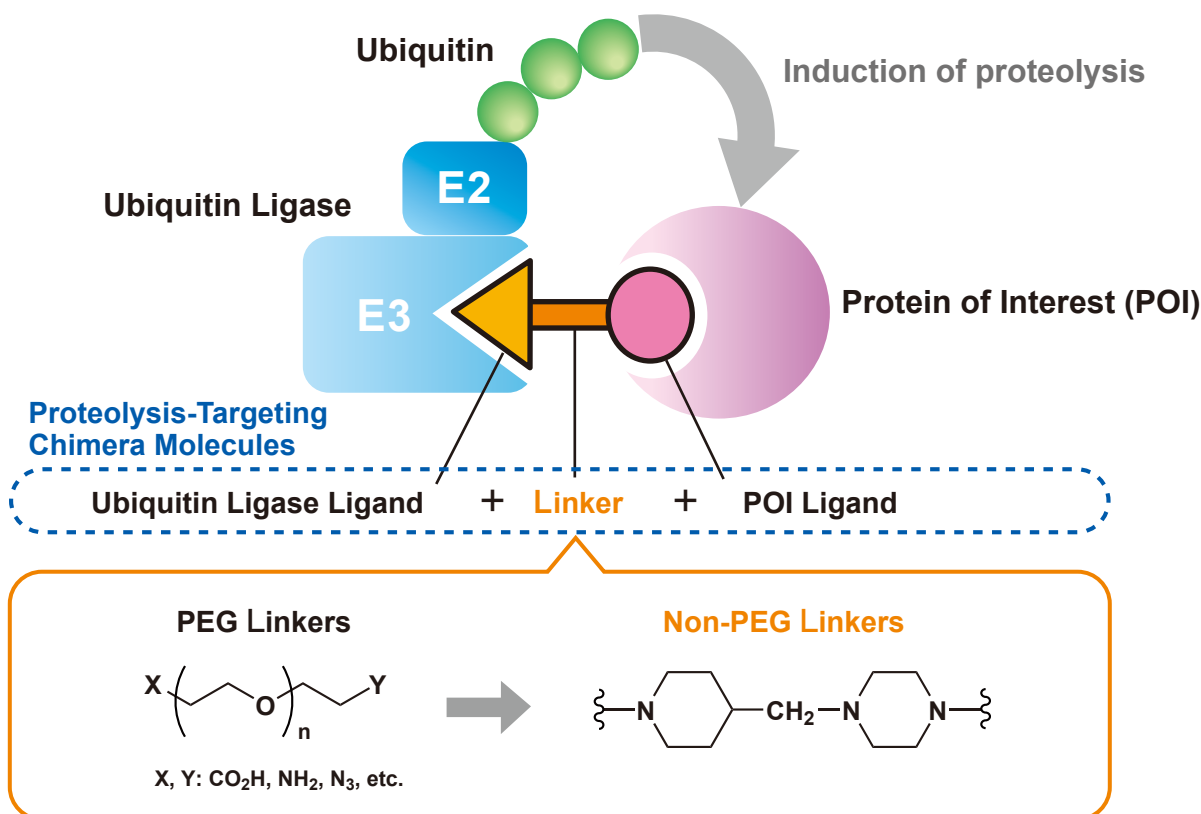


**1-Boc-4-(piperidin-4-ylmethyl)piperazine**  
100mg / 500mg  
[D5965]



**1-Boc-4-(piperazin-1-ylmethyl)piperidine**  
100mg / 500mg  
[D5966]

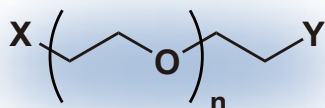
Proteolysis targeting chimera molecules are bifunctional small molecules which consist of a ubiquitin E3 ligase ligand and a protein of interest (POI) ligand covalently bonded via a linker. The chimera molecules are regarded as a new drug modality, that induce the degradation of POI and are an undruggable target of conventional molecule. Although PEG linkers are typically used as linkers, the drug-like structures using non-PEG linkers have been recently reported.<sup>1,2)</sup> The proteolysis targeting chimera molecules derivatized from non-PEG linkers, such as **D5965** and **D5966**, are expected as potential oral drugs.



# Non-PEG Linkers for Designing Proteolysis-Targeting Chimera Molecules

## Related Products (PEG Linkers)

The length of the linker connecting the ligands is an important factor for the activity of proteolysis-targeting chimera molecules. TCI offers various bifunctional PEG linkers of different lengths as building blocks for the synthesis of proteolysis targeting chimera molecules.



X	Y	n			
		1	2	3	4
H <sub>2</sub> N	COO <sup>t</sup> Bu	<b>B6249</b>	<b>A3325</b>	<b>B5586</b>	<b>B5900</b>
BocHN	COOH	<b>B6257</b>	<b>D5825</b>	<b>B6093</b>	<b>B5665</b>
BocHN	NH <sub>2</sub>	<b>B6283</b>	<b>B5141</b>	<b>B6080</b>	<b>B6256</b>

<b>Amino-PEG1-acid <i>tert</i>-Butyl Ester</b>	250mg	<b>[B6249]</b>
<b>Amino-PEG2-acid <i>tert</i>-Butyl Ester</b>	1g / 5g	<b>[A3325]</b>
<b>Amino-PEG3-acid <i>tert</i>-Butyl Ester</b>	1g	<b>[B5586]</b>
<b>Amino-PEG4-acid <i>tert</i>-Butyl Ester</b>	250mg / 1g	<b>[B5900]</b>
<b>(Boc-amino)-PEG1-carboxylic Acid</b>	250mg	<b>[B6257]</b>
<b>(Boc-amino)-PEG2-carboxylic Acid</b>	250mg	<b>[D5825]</b>
<b>(Boc-amino)-PEG3-carboxylic Acid</b>	250mg	<b>[B6093]</b>
<b>(Boc-amino)-PEG4-carboxylic Acid</b>	250mg / 1g	<b>[B5665]</b>
<b>Boc-Amino-PEG1-Amine</b>	200mg / 1g	<b>[B5683]</b>
<b>Boc-Amino-PEG2-Amine</b>	200mg / 1g	<b>[B5141]</b>
<b>Boc-Amino-PEG3-Amine</b>	200mg / 1g	<b>[B6080]</b>
<b>Boc-Amino-PEG4-Amine</b>	200mg 7,400円 / 1g	<b>[B6256]</b>

We also offer ligands and linkers that are not listed in our catalog for your application. Furthermore, we offer custom synthesis of various derivatives including ligand-linker complexes. Please feel free to contact us.

- References** 1) X. Han, S. Wang, *et al.*, *J. Med. Chem.* **2021**, *64*, 12831. <https://doi.org/10.1021/acs.jmedchem.1c00882>  
 2) C. E. Hendrick, S. E. Wolkenberg, *et al.*, *ACS Med. Chem. Lett.* **2022**, *13*, 1182. <https://doi.org/10.1021/acsmchemlett.2c00124>

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