# Tris[[2-(tert-butoxycarbonyl)ethoxy]methyl]methylamine

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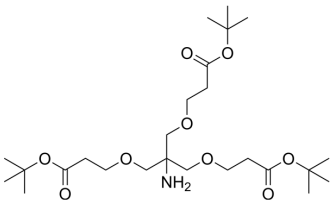
| **Cat. No.:** | HY-21577 |
| **CAS No.:** | 175724-30-8 |
| **Molecular Formula:** | $C_{25}H_{47}NO_9$ |
| **Molecular Weight:** | 505.64 |
| **Target:** | ADC Linker; PROTAC Linkers |
| **Pathway:** | Antibody-drug Conjugate/ADC Related; PROTAC |
| **Storage:** | 4°C, protect from light<br>* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



## BIOLOGICAL ACTIVITY

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| **Description** | Tris[[2-(tert-butoxycarbonyl)ethoxy]methyl]methylamine is a cleavable PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Amino-Tri-(t-butoxycarbonylethoxymethyl)-methane is also a PEG/Alkyl/ether-based PROTAC linker that can be used in the synthesis of PROTACs[1]. | | |
| **$IC_{50}$ & Target** | PEGs | Cleavable Linker | Alkyl/ether |
| **In Vitro** | ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[1].<br>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[1].<br>MCE has not independently confirmed the accuracy of these methods. They are for reference only. | | |

## REFERENCES

[1]. Kostiainen MA, et al. Optically degradable dendrons for temporary adhesion of proteins to DNA. Chemistry. 2010 Jun 18;16(23):6912-8.



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