
Product Data Sheet

Product Name: Tris[[2-(tert-butoxycarbonyl)ethoxy]methyl]methylamine

Cat. No.: GC62545

Chemical Properties

Cas. No. 175724-30-8

Formula C₂₅H₄₇NO₉ M.Wt 505.64

Solubility Storage 4°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

Tris[[2-(tert-butoxycarbonyl)ethoxy]methyl]methylamine is a cleavable PEG ADC linker used in the synthesis of antibody-drug conjugates (ADCs). Amino-Tri-(tert-butoxycarbonylethoxymethyl)-methane is also a PEG/Alkyl/ether-based PROTAC linker that can be used in the synthesis of PROTACs[1].

ADCs are comprised of an antibody to which is attached an ADC cytotoxin through an ADC linker[1]. 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].

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

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

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