

Product Data Sheet

Product Name: 2-(2-(2-(6-Azidohexanamido)ethoxy)ethoxy)acetic acid

Cat. No.: GC81916

Chemical Properties

Cas. No. 3036674-82-2

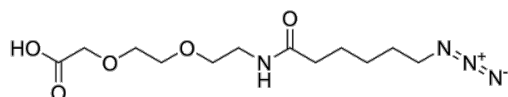
Formula $C_{12}H_{22}N_4O_5$ M.Wt 302.33

Solubility DMSO: 50 mg/mL (165.38 mM; Need ultrasonic) Storage Store at -20°C, stored under nitrogen, away from moisture

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

2-(2-(2-(6-Azidohexanamido)ethoxy)ethoxy)acetic acid is a PROTACT linker and can be used for synthesis of P60-L3-VHL. 2-(2-(2-(6-Azidohexanamido)ethoxy)ethoxy)acetic acid is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. It can also undergo strain-promoted alkyne-azide cycloaddition (SPAAC) reactions with molecules containing DBCO or BCN groups [1].

References:

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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[1]. Yang B, et al. Discovery of a proteolysis targeting chimera (PROTAC) as a potent regulator of FOXP3. Bioorg Med Chem Lett. 2024 Nov 1;112:129945.

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