

Tunicamycin 14:1 Mixture Biochemical

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CATALOG #
AAA227368

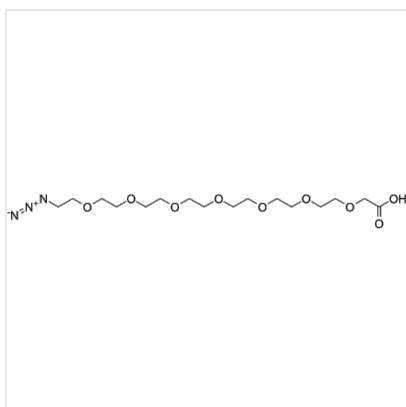
PRODUCT SYNONYMS

Tunicamycin 14:1 Mixture; Tunicamycin 14:1 Mixture biochemical

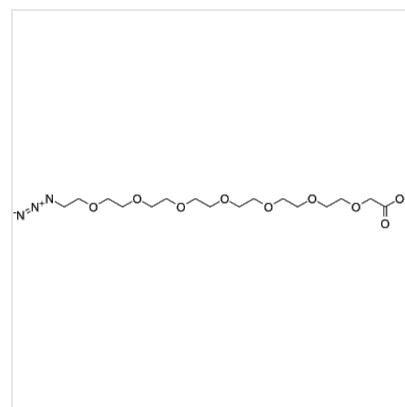
PRODUCT SPECIFICATIONS

Purity/Purification	98%
Solubility	DMF: 20 mg/mL
	DMSO: 20 mg/mL
	DMSO:PBS (pH 7.2)(1:3): 0.25 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Azido-PEG7-CH2COOH, CAS 1446411-32-0



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ADDITIONAL INFORMATION

Related Product Information for Tunicamycin 14:1 Mixture biochemical	Tunicamycin 14:1 is a mixture of tunicamycin structural isomers that contain a 14-carbon N-acyl chain with variable branching patterns. The N-acyl chain incorporated into tunicamycins, like tunicamycin 14:1, is derived from the same pool of cellular branched-chain fatty acids (BCFAs) in Streptomyces and directly impacts the biological activity of each individual tunicamycin variant. ^{1,2,3} Purified tunicamycin 14:1 with the iso branching configuration inhibits bacterial phospho-MurNAc-pentapeptide transferase (MraY) with an IC50 value of 0.31 uM. ²
References	1. An S, et al. Small-molecule PROTACs: An emerging and promising approach for the development of targeted therapy drugs. EBiomedicine. 2018 Oct;36:553-562

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

