

PRODUCT INFORMATION



TCO-PEG₁-Val-Cit-PABC-PNP

Item No. 46393

Formal Name: (E)-cyclooct-2-en-1-yl ((6S,9S)-1-amino-9-isopropyl-6-((4-(((4-nitrophenoxy)carbonyl)oxy)methyl)phenyl)carbamoyl)-1,8,11-trioxo-14-oxa-2,7,10-triazahexadecan-16-yl)carbamate

MF: C₃₉H₅₃N₇O₁₂

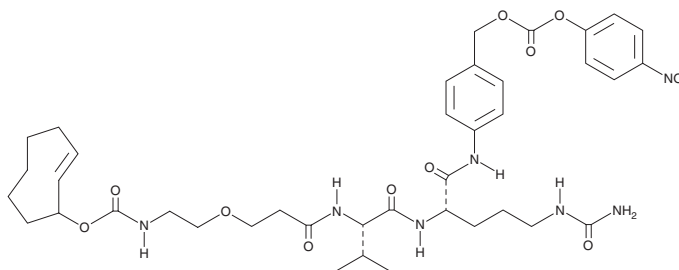
FW: 811.9

Purity: ≥95%

Supplied as: A solid

Storage: -20°C

Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

TCO-PEG₁-Val-Cit-PABC-PNP is supplied as a solid. A stock solution may be made by dissolving the TCO-PEG₁-Val-Cit-PABC-PNP in the solvent of choice, which should be purged with an inert gas. TCO-PEG₁-Val-Cit-PABC-PNP is sparingly soluble (1-10 mg/ml) in DMSO and slightly soluble (0.1-1 mg/ml) in acetonitrile:water (1:1).

Description

TCO-PEG₁-Val-Cit-PABC-PNP is a peptide linker molecule. It contains a *trans*-cyclooctene (TCO) group that can be used for biorthogonal click chemistry and a *p*-nitrophenol (PNP) group that allows the peptide to be linked to active compounds.¹ It can be used in the synthesis of antibody-drug conjugates (ADCs).

Reference

1. Cheng-Sánchez, I., Moya-Utrera, F., Porras-Alcalá, C., *et al.* Antibody-drug conjugates containing payloads from marine origin. *Mar. Drugs* **20**(8), 494 (2022).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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