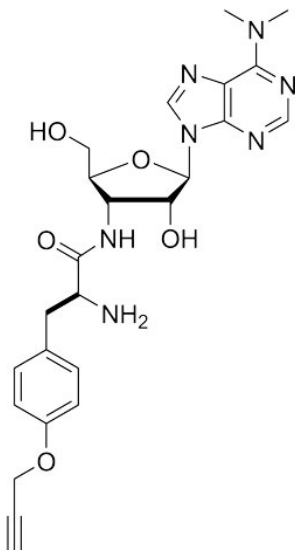




O-PROPARGYL-PUROMYCINE (OPP)

SKU: CCT-1407



DESCRIPTION

O-propargyl-puromycin (OPP) is an alkyne analog of puromycin that is efficiently incorporated into newly translated proteins, which are rapidly turned over by the proteasome and can be visualized or captured by copper(I)-catalyzed azide-alkyne cycloaddition. Unlike methionine analogs, OPP does not require methionine-free conditions and, uniquely, can be used to label and assay nascent proteins in whole organisms.

SPECIFICATIONS

CAS Number	1416561-90-4
Molecular Weight	495.54

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Appearance	Off-white to slightly grey crystalline
Chemical Formula	C ₂₄ H ₂₉ N ₇ O ₅
Purity	>95% (HPLC)
Unit Size	5 mg, 25 mg, 100 mg
Solubility	DMSO, DMF
Storage Instructions	-20°C.
Shipping Conditions	Ambient temperature
Shipping Instructions	Ambient temperature

SELECTED REFERENCES

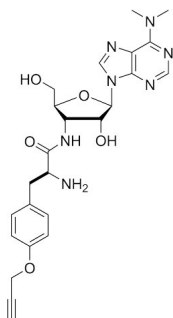
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4. Lui, J., *et al.* (2012). Imaging protein synthesis in cells and tissues with an alkyne analog of puromycin. *PNAS*, **109**, 413-8. [[PubMed](#)]
5. Forester, C.M., *et al.* (2018). Revealing nascent proteomics in signaling pathways and cell differentiation. *PNAS*, **115**, 2353-8. [[PubMed](#)]
6. Tong, M., *et al.* (2020). Effective Method for Accurate and Sensitive Quantitation of Rapid Changes of Newly Synthesized Proteins. *Anal. Chem.*, **92(14)**, 10048-57. [[PubMed](#)]

DOCUMENTS

- [Safety Data Sheet](#)
- [Download CoA](#)
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GALLERY IMAGES

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