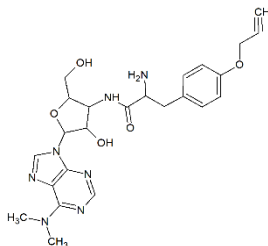


O-Propargyl-puromycin

ALTERNATE NAME: (2S)-2-amino-N-((2S,5R)-5-(6-(dimethylamino)-9H-purin-9-yl)-4-hydroxy-2-(hydroxymethyl)tetrahydrofuran-3-yl)-3-(4-(prop-2-yn-1-yloxy)phenyl)propanamide
OP-puro
OPP

CATALOG #: B2590-1000 1 mg
B2590-500 500 µg

STRUCTURE:



MOLECULAR FORMULA: C₂₄H₂₉N₇O₅

MOLECULAR WEIGHT: 495.53

CAS NUMBER: 1416561-90-4

APPEARANCE: Off-white solid

PURITY: ≥95% by HPLC

SOLUBILITY: >20 mg/ml DMSO

DESCRIPTION: O-Propargyl-puromycin (OPP) is cell-permeable alkyne analog of the protein synthesis inhibitor puromycin (Cat. No. 1860) that efficiently incorporates into newly translated proteins in complete methionine-containing media. The resulting truncated C-terminal alkyne labeled proteins can subsequently be detected via Cu(I)-catalyzed click chemistry reaction that links it to a fluorescently tagged azide molecule. Thus, OPP provides a fast, sensitive, and non-radioactive method for the detection of protein synthesis using fluorescence microscopy, high-content imaging, or flow cytometry.

STORAGE TEMPERATURE: -20°C. Protect from light

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Puromycin Dihydrochloride (1860)
EZSolution™ Puromycin Dihydrochloride (1861)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*