



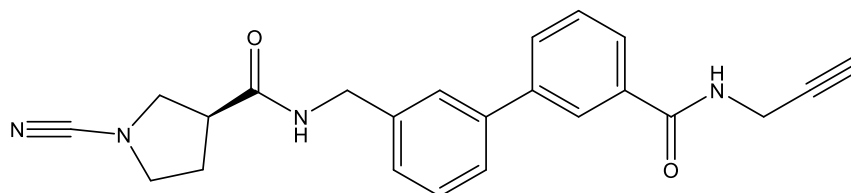
Catalog #10-4045

CNP7

CAS# N/A

(S)-1-Cyano-N-((3'-(prop-2-yn-1-ylcarbamoyl)-[1,1'-biphenyl]-3-yl)methyl)pyrrolidine-3-carboxamide

Lot # FBA11072



CNP7 is a first-in-class covalent inhibitor of HMG-CoA synthase 1, the first enzyme in the mevalonate pathway. Treatment of HCT116 cells with 5 μM CNP7 lead to a significant reduction in HMG-CoA levels and increased levels of unprenylated proteins. It caused cell death in HEK293T and HCT116 cells due to a reduction in geranylgeranyl pyrophosphate levels. An interesting new tool for investigating mevalonate metabolism.

- 1) Sun *et al.* (2026) *Comprehensive Chemoproteomics Unveils Selective HMG-CoA Synthase 1 Inhibitors for Targeting Mevalonate Metabolism in Cancer*; J. Am. Chem. Soc. **148** 20705

PHYSICAL DATA

Molecular Weight:	386.46
Molecular Formula:	C ₂₃ H ₂₂ N ₄ O ₂
Purity:	>98% (HPLC)
	NMR: (Conforms)
Solubility:	DMSO (90 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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