

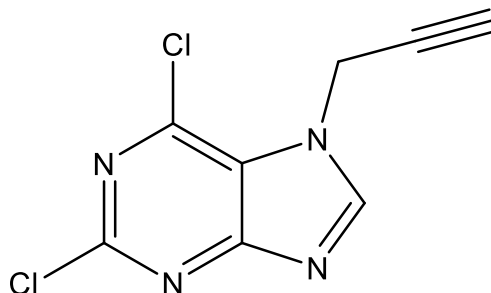
Catalog #10-5323

CEP

CAS# 1838570-66-3

2,3-Dichloro-7-(2-propynyl)-7H-purine

Lot # S107176



CEP is a clickable electrophilic purine which may be used to directly quantify protein-RNA interaction on proteins via photoaffinity competition with 4-thiouridine-labeled RNA in cells. Employing CEP in a photo-activatable-competition and chemoproteomic enrichment (PACCE) protocol enables functional profiling of canonical RNA-binding domains as well as the discovery of “moonlighting” RNA binding activity in the human proteome. This new methodology represents a chemoproteomic platform for global quantification of protein-RNA binding activity in living cells.

- 1) Heindel *et al.* (2023), *Chemoproteomic capture of RNA binding activity in living cells*; Nat. Commun. **14** 6282

PHYSICAL DATA

Molecular Weight:	227.05
Molecular Formula:	C ₈ H ₄ Cl ₂ N ₄
Purity:	>98% (TLC)
	NMR: (Conforms)
Solubility:	DMSO (60 mg/mL)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 2 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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