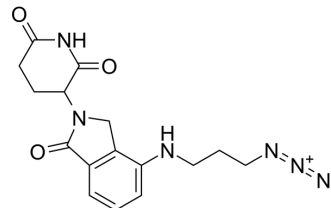


Lenalidomide 4'-alkyl-C3-azide

Cat. No.:	HY-161131
CAS No.:	2399455-71-9
Molecular Formula:	C ₁₆ H ₁₈ N ₆ O ₃
Molecular Weight:	342.35
Target:	Ligands for E3 Ligase; Apoptosis; Molecular Glues
Pathway:	PROTAC; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Lenalidomide 4'-alkyl-C3-azide (compound 4a) is a click chemical modified Lenalidomide (HY-A0003) that can be used to synthesize PROTACs. Lenalidomide is an orally active immunomodulator and a ligand for the ubiquitin E3 ligase cereblon (CRBN). Lenalidomide 4'-alkyl-C3-azide contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition reactions (SPAAC) can also occur with molecules containing DBCO or BCN groups^[1].

REFERENCES

[1]. Liu H, et al. Construction of an IMiD-based azide library as a kit for PROTAC research. *Org Biomol Chem*. 2021 Jan 6;19(1):166-170.

Caution: Product has not been fully validated for medical applications. For research use only.

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