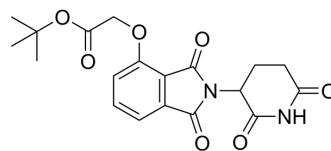


Thalidomide-4-O-CH₂-COO(t-Bu)

Cat. No.:	HY-42771
CAS No.:	1950635-36-5
Molecular Formula:	C ₁₉ H ₂₀ N ₂ O ₇
Molecular Weight:	388.37
Target:	E3 Ligase Ligand-Linker Conjugates; Apoptosis; Autophagy
Pathway:	PROTAC; Apoptosis; Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Thalidomide-4-O-CH ₂ -COO(t-Bu) is t-Bu modified Thalidomide (HY-14658), which is the final step intermediate in the synthesis of Thalidomide-4-OH (HY-123096). Thalidomide-4-O-CH ₂ -COO(t-Bu) acts as a Cereblon ligand to recruit CRBN proteins. The t-Bu protecting group at the end of Thalidomide-4-O-CH ₂ -COO(t-Bu) can be removed under acidic conditions to participate in the synthesis of PROTAC molecules. Thalidomide-4-O-CH ₂ -COO(t-Bu) is a key intermediate in the synthesis of CRBN-based designed PROTAC molecules.
IC ₅₀ & Target	Cereblon

REFERENCES

[1]. Fischer ES, et al. Structure of the DDB1-CRBN E3 ubiquitin ligase in complex with thalidomide. Nature. 2014 Aug 7;512(7512):49-53. [Content Brief]

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

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