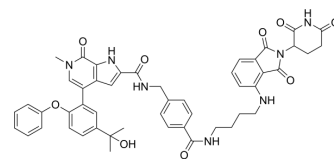


PROTAC BRD4 Degradator-17

Cat. No.:	HY-143328
CAS No.:	2585561-49-3
Molecular Formula:	C ₄₉ H ₄₇ N ₇ O ₉
Molecular Weight:	877.94
Target:	PROTACs; Epigenetic Reader Domain; Apoptosis
Pathway:	PROTAC; Epigenetics; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PROTAC BRD4 Degradator-17 (compound 13i) is a potent PROTAC BRD4 Degradator, with IC ₅₀ values of 29.54 nM (BRD4 (BD1)) and 3.82 nM (BRD4 (BD2)). PROTAC BRD4 Degradator-17 significantly attenuates G2/M progression associated Cyclin B1 expression. PROTAC BRD4 Degradator-17 significantly induces apoptosis in MV-4-11 cells ^[1] .	
IC₅₀ & Target	BRD4 (BD2) 3.82 ± 0.0 nM (IC ₅₀)	BRD4 (BD1) 29.54 ± 2. nM (IC ₅₀)
In Vitro	PROTAC BRD4 Degradator-17 (compound 13i) (100 nM, 4-24 h) significantly induces BRD4 L and BRD4 S degradation at a concentration of 100 nM at 4 h and then recovers BRD4 S at 24 h like dBET6 (HY-112588) in MV-4-11 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Chen J, et al. Adjusted degradation of BRD4 S and BRD4 L based on fine structural modifications of the pyrrolopyridone scaffold. Eur J Med Chem. 2022 Jun 5;236:114259.

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

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