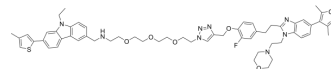


MS78

Cat. No.:	HY-149306
Molecular Formula:	C ₅₇ H ₆₆ FN ₉ O ₆ S
Molecular Weight:	1024.25
Target:	Histone Acetyltransferase; MDM-2/p53
Pathway:	Epigenetics; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

MS78 is an acetylation targeting chimera (AceTAC) that acetylates the p53 tumor suppressor protein. MS78 recruits histone acetyltransferase p300/CBP to acetylate the p53Y220C mutant. MS78 upregulates TRAIL apoptotic genes and downregulates DNA damage response pathways. MS78 contains a CBP/p300 binder, a p53Y220C binder and a linker^[1].

REFERENCES

[1]. Kabir M, et al. Acetylation Targeting Chimera Enables Acetylation of the Tumor Suppressor p53. J Am Chem Soc. 2023 Jul 12;145(27):14932-14944.

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

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