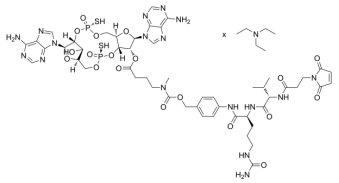
Mal-VC-PAB-(N-Me-amide-C3)-ADU-S100 triethylamine

Cat. No.:	HY-148460
CAS No.:	2249935-19-9
Molecular Formula:	$C_{51}H_{65}N_{17}O_{19}P_2S_2.xC_6H_{15}N$
Target:	EGFR; STING; Drug-Linker Conjugates for ADC
Pathway:	JAK/STAT Signaling; Protein Tyrosine Kinase/RTK; Immunology/Inflammation; Antibody-drug Conjugate/ADC Related
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Mal-VC-PAB-(N-Me-amide-C3)-ADU-S100 triethylamine is an immune stimulator antibody conjugate (ISAC) comprising an anti-human epidermal growth factor receptor 2 (HER2) antibody, a STING agonist (ADU-S100) and a linker. Mal-VC-PAB-(N-Me-amide-C3)-ADU-S100 triethylamine can be uesd for cancer research (WO2018200812A1; example 5)[1].
IC_{50} & Target	HER2
In Vitro	STING (stimulator of interferon genes) is an endoplasmic reticulum adaptor that facilitates innate immune signaling. It was reported that STING comprises four putative transmembrane regions, predominantly resides in the endoplasmic reticulum and is able to activate NF-kB, STAT6, and IRF3 transcription pathways to induce expression of type I interferon (e.g., IFN-a and IFN-β) and exert a potent anti-viral state following expression. In contrast, loss of STING rendered murine embryonic fibroblasts extremely susceptible to negative stranded virus infection, including vesicular stomatitis virus[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Thomas W. Dubensky Jr., et al. Antibody conjugates comprising sting agonist. WO2018200812A1.

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