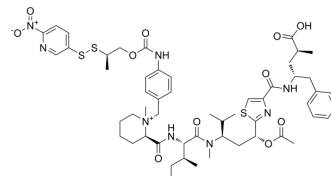


## Nitro-PDS-Tubulysin M

Cat. No.:	HY-128896
CAS No.:	1941168-69-9
Molecular Formula:	C <sub>54</sub> H <sub>73</sub> N <sub>8</sub> O <sub>11</sub> S <sub>3</sub>
Molecular Weight:	1106.4
Target:	Drug-Linker Conjugates for ADC; Microtubule/Tubulin
Pathway:	Antibody-drug Conjugate/ADC Related; Cell Cycle/DNA Damage; Cytoskeleton
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Nitro-PDS-Tubulysin M is a synthetic ADC drug-linker conjugate composed of the tubulin polymerization inhibitor Tubulysin M (an ADC Cytotoxin) and Nitro-PDS (an ADC linker).
<b>IC<sub>50</sub> &amp; Target</b>	Auristatin
<b>In Vitro</b>	ADC2-2 (anti-CD22 10F4v3 LC K149C Nitro-PDS-Tubulysin M) displays target-specific killing in WSU-DLCL2 human diffuse large B-cell lymphoma tumors with IC <sub>50</sub> of 0.147 nM, and ADC2-1 (anti-Napi2b 10H1.11.4B LC K149C Nitro-PDS-Tubulysin M) displays target-specific killing in human ovarian cancer IGROV-1 and OVCAR-3x2.1 with IC <sub>50</sub> s of 2.07 nM, 1.004 nM, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. FLYGARE, John A, et al. Quaternary amine compounds and antibody-drug conjugates thereof. WO2016090050A1.
- [2]. Staben LR, et al. Targeted drug delivery through the traceless release of tertiary and heteroaryl amines from antibody-drug conjugates. Nat Chem. 2016 Dec;8(12):1112-1119.

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

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