

Product Data Sheet

Inhibitors • Screening Libraries • Proteins

Sofituzumab vedotin (solution)

НҮ-Р99593А
1418200-58-4
Antibody-Drug Conjugates (ADCs)
Antibody-drug Conjugate/ADC Related
Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL AC	ΤΙVΙΤΥ	
Description	Sofituzumab vedotin (DMUC5754A) (solution) is an antibody-drug conjugate (ADC) that contains the humanized IgG1 anti- MUC16 monoclonal antibody and a potent anti-mitotic agent, monomethyl auristatin E (MMAE), linked through a protease- cleavable linker ^{[1][2]} .	
In Vitro	proliferation in a dose-	ntly confirmed the accuracy of these methods. They are for reference only.
	Cell Line:	OVCAR-3 and PC3/MUC16TMlong cells
	Concentration:	0.1-10000 ng/mL
	Incubation Time:	3 days for OVCAR-3 and 5 days for PC3/MUC16TMlong
	Result:	Significantly inhibited cell proliferation above 100 ng/mL.
In Vivo	in MUC16-expressing hu	A5-VC-MMAE; 2 and 2.8 mg/kg; IV; once weekly for 3 or 4 total doses) shows potent anti-tumor activity uman OVCAR-3 mouse xenograft models ^[3] . ently confirmed the accuracy of these methods. They are for reference only.
	Animal Model:	Female CB17 ICR severe combined immunodeficient mice, OVCAR-3/luc mouse xenografts ^[3] .
	Dosage:	2.8 mg/kg
	Administration:	IV, once weekly for 4 total doses
	Result:	Improved survival.

REFERENCES

[1]. Manzano A, et al. Antibody-Drug Conjugates: A Promising Novel Therapy for the Treatment of Ovarian Cancer. Cancers (Basel). 2020 Aug 9;12(8):2223.

[2]. Liu JF, et al. Phase I study of safety and pharmacokinetics of the anti-MUC16 antibody-drug conjugate DMUC5754A in patients with platinum-resistant ovarian cancer or unresectable pancreatic cancer. Ann Oncol. 2016 Nov;27(11):2124-2130.

[3]. Chen Y, et al. Armed antibodies targeting the mucin repeats of the ovarian cancer antigen, MUC16, are highly efficacious in animal tumor models. Cancer Res. 2007 May 15;67(10):4924-32.

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

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