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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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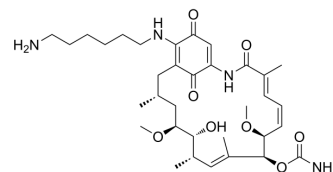
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Aminohexylgeldanamycin

Cat. No.:	HY-133571
CAS No.:	485395-71-9
Molecular Formula:	C ₃₄ H ₅₂ N ₄ O ₈
Molecular Weight:	644.8
Target:	HSP; ADC Cytotoxin
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Antibody-drug Conjugate/ADC Related
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 110 mg/mL (170.60 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	1.5509 mL	7.7543 mL	15.5087 mL
		5 mM	0.3102 mL	1.5509 mL	3.1017 mL
		10 mM	0.1551 mL	0.7754 mL	1.5509 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 4.25 mg/mL (6.59 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 4.25 mg/mL (6.59 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Aminohexylgeldanamycin (AHGDM), a Geldanamycin derivative, is a potent HSP90 inhibitor. Aminohexylgeldanamycin shows antiangiogenic and antitumor activities ^[1] .
IC ₅₀ & Target	HSP90
In Vitro	HPMA copolymer-aminohexylgeldanamycin conjugates target cell surface expressed GRP78 in prostate cancer ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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- [1]. Greish K, et al. Anticancer and antiangiogenic activity of HPMa copolymer-aminohexylgeldanamycin-RGDfK conjugates for prostate cancer therapy. J Control Release. 2011;151(3):263-270.
- [2]. Larson N, et al. HPMa copolymer-aminohexylgeldanamycin conjugates targeting cell surface expressed GRP78 in prostate cancer. Pharm Res. 2010;27(12):2683-2693.
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Caution: Product has not been fully validated for medical applications. For research use only.

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