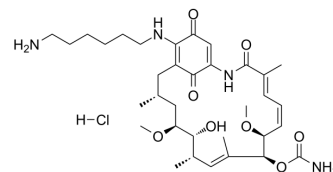


## Aminohexylgeldanamycin hydrochloride

<b>Cat. No.:</b>	HY-133571A
<b>CAS No.:</b>	1146534-45-3
<b>Molecular Formula:</b>	C <sub>34</sub> H <sub>53</sub> ClN <sub>4</sub> O <sub>8</sub>
<b>Molecular Weight:</b>	681.26
<b>Target:</b>	HSP; ADC Cytotoxin
<b>Pathway:</b>	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Antibody-drug Conjugate/ADC Related
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

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

### REFERENCES

- [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.

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

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