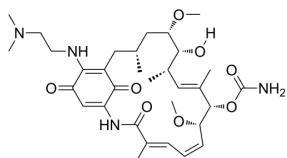


Certificate of Analysis

Product Name:	Alvespimycin (hydrochloride)
Cat. No.:	CS-0162
CAS No.:	467214-21-7
Batch No.:	11257
Chemical Name:	Geldanamycin, 17-demethoxy-17-[[2-(dimethylamino)ethyl]amino]-, hydrochloride (1:1)

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C ₃₂ H ₄₉ ClN ₄ O ₈
Molecular Weight:	653.21
Storage:	2-8°C, sealed storage, away from moisture
Chemical Structure:	

HCl

ANALYTICAL DATA

Appearance:	Purple to purplish red (Solid)
¹H NMR Spectrum:	Consistent with structure
Purity (HPLC):	95.61%
Conclusion:	The product has been tested and complies with the given specifications.

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

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