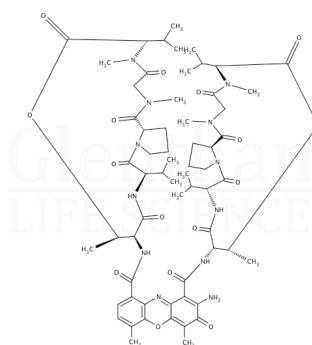


## Certificate of Analysis

Product Name	Actinomycin D, GlenCell™, suitable for cell culture, USP grade
Glentham Code	GA7901
CAS Number	50-76-0
EINECS	200-063-6
MDL Number	MFCD00005033
Batch Number	851XOD

Molecular Weight	1255.40
Molecular Formula	$C_{62}H_{86}N_{12}O_{16}$
Storage Temp.	+4°C



Property	Specification	Batch 851XOD
Physical Description	Red to orange crystalline powder	Conforms
Identification	A, B according to USP	Conforms
Solubility (0.1% in acetonitrile)	Clear, red to orange solution	Conforms
Specific Optical Rotation	-292 - -317 °	-312°
Loss on Drying	≤ 5.0%	3.1%
Bacterial Endotoxins	≤ 100units/mg	76 units/mg
Assay	950 - 1030 µg/mg (C <sub>62</sub> H <sub>86</sub> N <sub>12</sub> O <sub>16</sub> , dried basis)	987µg/mg
Pharmacopoeia Specification(s)	USP	Conforms to USP

Specification Version	v1.0
Manufacture Date	2019-04-15
Re-Test Date	2028-04-15

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check [www.glentham.com](http://www.glentham.com) or contact us using the details above for the current version of this document.

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