

Hello Bio, Inc.  
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500  
F. 609-228-4994

customercare-usa@hellobio.com



## DATASHEET

Actinomycin D

### Product overview

<b>Name</b>	Actinomycin D
<b>Cat No</b>	HB1477
<b>Applications</b>	Antineoplastic Agent, Cell Culture, Selection Agent
<b>Purity</b>	>98%
<b>Description</b>	RNA polymerase inhibitor. Apoptosis inducer.

### Biological Data

<b>Biological description</b>	RNA polymerase inhibitor and RNA synthesis inhibitor. DNA intercalating agent. Shows antitumor and cytotoxic effects. Also induces apoptosis.
-------------------------------	---

### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Solubility overview</b>	Soluble in DMSO (50 mM)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	2-Amino-(N,N)-1-bis(hexadecahydro-6,13-diisopropyl-2,5,9-trimethyl-1,4,7,11,14-pentaoxo-1H-pyrrolo[2,1]-[1,4,7,10,13] oxatetraazacyclohexadecin-10-yl)-4,6-dimethyl-3-oxo-3H-phenoxazine-1,9-dicarboxamide
<b>Molecular Weight</b>	1255.43
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>62</sub> H <sub>86</sub> N <sub>12</sub> O <sub>16</sub>
<b>CAS Number</b>	50-76-0
<b>PubChem identifier</b>	2019
<b>SMILES</b>	CC1C(C(=O)NC(C(=O)N2CCCC2C(=O)N(CC(=O)N(C(C(=O)O1)C(C)C)C)C(C)C)NC(=O)C3=C4C(=C(C=C3)C)OC5=C(C(=O)C(=C(C5=N4)C(=O)NC6C(OC(=O)C(N(C(=O)CN(C(=O)C7CCCN7C(=O)C(NC6=O)C(C)C)C)C(C)C)N)C
<b>InChiKey</b>	RJURFGZVJUQBHK-LIAOQTPJSA-N
<b>MDL number</b>	MFCD00005033
<b>Appearance</b>	Red shiny crystals