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## DATASHEET

Actinomycin X2

### Product overview

<b>Name</b>	Actinomycin X2
<b>Cat No</b>	HB3736
<b>Biological action</b>	Antibiotic
<b>Purity</b>	>98%
<b>Description</b>	Antitumor and antiviral antibiotic

### Biological Data

<b>Biological description</b>	Aniso-Actinomycin (4-Oxopro instead of Pro in the beta-chain). Antitumor and antiviral antibiotic. Antituberculosis agent. Has higher cytotoxicity towards cultured human leukemia (HL-60) cells than actinomycin D. Apoptosis inducer. Forms a complex with DNA and blocks its biological activity.
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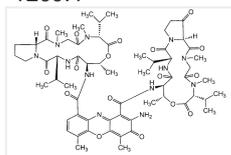
### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<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

**Molecular Weight**  
**Chemical structure**

1269.4



**CAS Number**  
**PubChem identifier**  
**SMILES**

18865-48-0

0

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CC(C)C1NC(=O)C(NC(=O)c2ccc(C)c3OC4=C(C)C(=O)C=C(C(=O)NC5C(C)OC(=O)C(C(C)C)N(C)C(=O)CN(C)C(=O)C6CC(=O)CN6C(=O)C(NC5=O)C(C)C)C4=Nc23)N)C(C)OC(=O)C(C(C)C)N(C)C(=O)CN(C)C(=O)C7CCCN7C1=O
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**InChiKey**  
**Appearance**

SMBASHZPOHFQRU-ILYIJYFNSA-N

Orange crystals