

## Product Datasheet

### 7-Amino Actinomycin D (orb1987583)

<b>Catalog Number</b>	orb1987583
<b>Category</b>	Tools
<b>Description</b>	7-Aminoactinomycin D (7-AAD) is a fluorescent dye that binds to DNA, commonly used to assess cell viability and apoptosis via flow cytometry. Its application extends to both in vitro and in vivo studies for analyzing cellular DNA content and distinguishing dead from live cells in immunological and cancer research.
<b>Target</b>	DNA
<b>Form/Appearance</b>	powder
<b>Purity</b>	>98%
<b>MW</b>	1270.42
<b>Biological Activity</b>	Fluorescent DNA probe
<b>Solubility (25°C)</b>	Soluble in DMSO (up to 20 mg/ml)
<b>CAS Number</b>	7240-37-1
<b>Formula</b>	$C_{62}H_{87}N_{13}O_{16}$
<b>SMILES</b>	<chem>CC(C)C1NC(=O)C(NC(=O)c2cc(N)c(C)c3oc4c(C)c(=O)c(N)c(C(=O)NC5C(C)OC(=O)C(C(C)C)N(C)C(=O)CN(C)C(=O)C6CCCN6C(=O)C(NC5=O)C(C)C)c4nc23)C(C)OC(=O)C(C(C)C)N(C)C(=O)CN(C)C(=O)C2CCCN2C1=O</chem>
<b>Storage</b>	-20°C / protect from light
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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