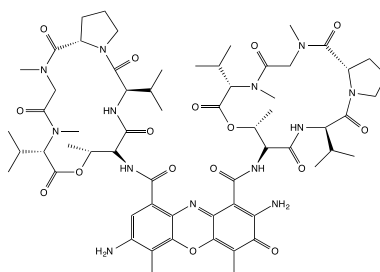




Catalog # 10-2053
7-Aminoactinomycin D

CAS# 7240-37-1

Lot # X101804



Fluorescent, intercalating DNA-binding agent useful for identifying apoptotic cells by flow cytometry.^{1,2} Capable of identifying populations representing live, apoptotic, and late apoptotic/dead cells in a quick, simple, reproducible, cost-effective fashion.^{3,4} Inhibitor of DNA-primed RNA polymerase and DNA polymerase.⁵

- 1) Teliaps *et al.* (2013) *Cellular-FLIP, Raji isoform (c-FLIP R) modulates cell death induction upon T-cell activation and infection*, Eur.J.Immunol. **43** 1499
- 2) Schmid *et al.* (2007) *Live-cell assay for detection of apoptosis by dual-laser flow cytometry using Hoechst 33342 and 7-amino-actinomycin D*, Nat.Protoc. **2** 187
- 3) Toba *et al.* (2000) *Cell kinetic study of normal human bone marrow hematopoiesis and acute leukemia using 7AAD/PY*, Eur.J.Haematol. **64** 10
- 4) Lecoeur *et al.* (1997) *Strategies for phenotyping apoptotic peripheral human lymphocytes comparing ISNT, annexin-V and 7-AAD cytofluorometric staining methods*, J.Immunol.Methods **209** 111
- 5) Su *et al.* (1996) *Hematopoietic cell protein-tyrosine phosphatase-deficient motheaten mice exhibit T cell apoptosis defect*, J.Immunol. **156** 4198

PHYSICAL DATA

Molecular Weight: 1270.42
Molecular Formula: C₆₂H₈₇N₁₃O₁₆
Purity: >98% (HPLC)
Solubility: DMSO (20 mg/ml)
Physical Description: Purple solid
Storage and Stability: Store as supplied at -20°C for up to 1 year from the date of purchase.
Protect from exposure to air and light. Make solutions fresh daily.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.