**PRODUCT DATA SHEET**

**BML-AP400**

7-Aminoactinomycin D

Fluorescent DNA binding agent

![Chemical Structure](image)

**Product Number/Sizes**

BML-AP400-0001 1 mg

Replaces Prod. #: ALX-380-283


**Product Specifications**

- **FORMULA:** C_{62}H_{87}N_{13}O_{16}
- **MW:** 1270.4
- **PURITY:** ≥98% (TLC)
- **APPEARANCE:** Purple solid.
- **CAS:** 7240-37-1
- **SOURCE/HOST:** Semisynthetic from actinomycin D (Prod. No. BML-GR300-0005)
- **SOLUBILITY:** Soluble in DMSO (20mg/ml), methanol or 100% ethanol. Slightly soluble in water.
- **LONG TERM STORAGE:** -20°C
- **USE/STABILITY:** Store, as supplied, at -20°C for up to 1 year. Store solutions at -20°C for up to 3 months.
- **HAZARD:** VERY TOXIC.
- **HANDLING:** Hygroscopic. Protect from light.

**Product Literature References**

- The use of 7-amino actinomycin D in identifying apoptosis: simplicity of use and broad spectrum of application compared with other techniques N.J. Philpott et al. Blood 87 2244 (1996)
- Binding specificities of actinomycin D to non-self-complementary -XGCY- tetranucleotide sequences F.M. Chen Biochemistry 31 6223 (1992)
Dead cell discrimination with 7-amino-actinomycin D in combination with dual color immunofluorescence in single laser flow cytometry I. Schmid et al. Cytometry 13 204 (1992)
Improved staining method for the simultaneous flow cytometric analysis of DNA content, S-phase fraction, and surface phenotype using single laser instrumentation K. Toba et al. Cytometry 13 60 (1992)


Revised 22-Feb-12