PRODUCT DATA SHEET

BML-AP400 7-Aminoactinomycin D
Fluorescent DNA binding agent

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%
APPEARANCE: Purple solid.
CAS: 7240-37-1
SOURCE/HOST: Semisynthetic from actinomycin D (Prod. No. BML-GR300-0005)
SOLUBILITY: Soluble in DMSO (20 mg/ml), methanol or 100% ethanol. Slightly solubler water.
SHIPPING: AMBIENT
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-aminoactinomycin 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-aminoadcinomycin 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 cytofluorometric analysis of DNA content, S-phase fraction, and surface phenotype using single laser instrumentation K. Toba et al. Cytometry 13 60 (1992)


7-Aminoadcinomycin D as a cytochemical probe. I. Spectral properties J.E. Gill et al. J. Histochem. Cytochem. 23 793 (1975)


Background/Technical Information
Please click here for the comprehensive product datasheet.

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