

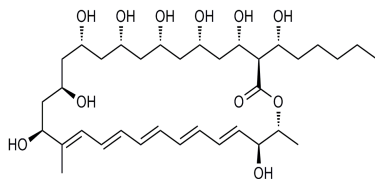
## Product: Filipin III

**ALTERNATE NAME:** 4S,6S,8S,10R,12R,14R,16S,27S-octahydroxy-3R-(1R-hydroxy-hexyl)17,28R-dimethyl-oxacyclooctacos-17E,19E,21E,21E,23E,25E-pentaen-2-one

**CATALOG #:** 2744-500, 1000

**AMOUNT:** 500 µg, 1 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>35</sub>H<sub>58</sub>O<sub>11</sub>

**MOLECULAR WEIGHT:** 654.8

**CAS NUMBER:** 480-49-9

**APPEARANCE:** Tan solid

**SOLUBILITY:** DMSO (5 mg/ml) or EtOH (2 mg/ml)

**PURITY:** ≥85% by HPLC

**STORAGE:** Store at -20 °C. Protect from air and light

**DESCRIPTION:** Filipin III is a polyene macrolide antibiotic isolated from *Streptomyces filipinensis*. It may be used in a double staining procedure for the detection of lipoproteins. Binds specifically to cholesterol forming a fluorescent complex which may be used for staining. Filipin III disrupts the lipid raft/caveolae endocytosis pathway. Prevents pathological prion protein accumulation by reducing endocytosis and inducing cellular PrP release.

**REFERENCE:** Miller, R.G. (1984). *Cell Biol. Int. Rep.* **8**, 519-535.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

### RELATED PRODUCTS:

Cholesterol Efflux Fluorometric Assay Kit (**K582-100**)

Cholesterol/Cholesteryl Ester Quantitation Colorimetric/Fluorometric Kit (**K603-100**)

Cholesterol/Cholesteryl Ester Quantitation Colorimetric Kit II (**K623-100**)

24(S)-Hydroxycholesterol (**Cat. No. 2411-1**)

**FOR RESEARCH USE ONLY! Not to be used on humans.**