

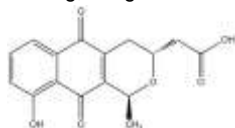
## Product: Nanaomycin A

**ALTERNATE NAME:** 2-[(1S, 3R)-9-hydroxy-1-methyl-5,10-dioxo-3,4-dihydro-1H-benzo[g]isochromen-3-yl]acetic acid; Nanafrocin, Nanafrocin, Nanafrocinum, Rosanomycin A

**CATALOG #:** 2790-1, 5

**AMOUNT:** 1 mg, 5 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>16</sub>H<sub>14</sub>O<sub>6</sub>

**MOLECULAR WEIGHT:** 302.28

**CAS NUMBER:** 52934-83-5

**APPEARANCE:** Crystalline solid

**SOLUBILITY:** DMSO (~10 mg/ml)

**PURITY:** ≥98% by HPLC

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

**DESCRIPTION:** Nanaomycin A is a selective DNA methyltransferase 3B (DNMT3B) inhibitor. It induces antiproliferative effects in three different tumor cell lines originating from different tissues. Nanaomycin A treatment reduces the global methylation levels in all three cell lines and reactivates transcription of the RASSF1A tumor suppressor gene.

**REFERENCES:** Kuck, D., *et al.* (2010). *Mol. Cancer Ther.* **9**, 3015-3023.

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

rev. 09/15

### RELATED PRODUCTS:

AMI-1 (Cat. No. 1943-5, 25)

Aza-2'-deoxycytidine (Cat. No. 1754-10, 50)

5- BIX01294 (Cat. No. 1678-5, 25)

Bromodomain Inhibitor, (+)-JQ1 (Cat. No. 2070-1, 5)

EZSolution™ (+)-JQ1 (Cat. No. 2091-1)

3-Deazaneplanocin (Cat. No. 2060-250, 1000)

2'-Deoxy-5-fluorocytidine (Cat. No. 2387-50, 250)

Lomeguatrib (Cat. No. 2224-5, 25)

RG108 (Cat. No. 1679-10, 30)

SGI-1027 (Cat. No. 2726-5, 25)

UNC0638 (Cat. No. 1933-1, 5)

Zebularine (Cat. No. 2225-1, 5)

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