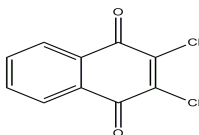


**PRODUCT: DNA Methylation Inhibitor,
Dichlone****ALTERNATE NAME:** 2,3-Dichloro-1,4-naphthoquinone, Dichlon**CATALOG #:** 2860-500, 1000**AMOUNT:** 500 mg, 1 g**STRUCTURE:****MOLECULAR FORMULA:** C₁₀H₄Cl₂O₂**MOLECULAR WEIGHT:** 227.04**CAS NUMBER:** 117-80-6**APPEARANCE:** Yellow solid**SOLUBILITY:** DMSO**PURITY:** ≥95% by GC**STORAGE:** Store at -20 °C. Protect from air and light**DESCRIPTION:** Dichlone, a popular pesticide and fungicide, acts as a potent DNA methylation inhibitor (EC₅₀ = 460 nM against Dnmt3A/3L catalytic complex). Dichlone efficiently reactivates YFP gene expression in a stable HEK293 cell line by promoter demethylation.**REFERENCES:** Ceccaldi, A., *et al.* (2013). *ACS Chem. Biol.* **8**, 543-548.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

A-366 (Cat. No. 2859-1,5)

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)

Nanaomycin A (Cat. No. 2790-5, 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)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**