

PRODUCT: **M344**
[4-Dimethylamino-N-(6-hydroxycarbamoyl-hexyl)-benzamide]

CATALOG #: 1607-1

AMOUNT: 1 mg

LOT #: _____

MOLECULAR FORMULA: C₁₆H₂₅N₃O₃

MOLECULAR WEIGHT: 307.4

PURITY: ≥98% by HPLC

APPEARANCE: White Solid

SOLUBILITY: Soluble in DMSO (1 mg/ml)

STORAGE CONDITIONS: Room temperature. Protect from light.

DESCRIPTION:

An amide analog of Trichostatin A (Cat.# 1606-1) that potently Inhibits histone deacetylases (IC₅₀ = 40 nM for rat liver HDAC and IC₅₀ = 100 nM for maize HDAC). Induces differentiation and inhibits proliferation (~2 μM) of murine erythroleukemia cells.

CAUTION: May be harmful by inhalation, in contact with skin or if swallowed.

USAGE: For research use only. Not to be used in human.

REFERENCES: Jung, M., et al. (1999) *J. Med. Chem.* 42:4669.

RELATED PRODUCTS:

1. Beta-Secretase Activity Assay & Drug Screening Kits
2. KinaseSTAR™ JNK & Akt Activity Assay Kits
3. HDAC Activity Assay & Drug Screening Kits
4. Senescence Detection Kit
5. CETP Activity Assay Kit
6. Calpain Activity Assay Kit
7. Apoptotic Cell Isolation Kit
8. MitoCapture™ Mitochondrial Apoptosis Detection Kit
9. Mitochondria/Cytosol Fractionation Kit
10. Nuclear/Cytosol Fractionation Kit
11. Cytochrome c Releasing Apoptosis Assay Kit
12. ApoSENSOR™ ATP Determination Kit & ADP/ATP Ratio Assay Kit
13. ApoGSH™ Glutathione Detection Kit
14. Nitric Oxide Fluorometric & Colorimetric Detection Kits
15. Annexin V-FITC, -Cy3, -Cy5, -EGFP, -PE, -Biotin Kits and Bulk Reagents
16. CaspSCREEN™ Flow Cytometric Caspase Assay Kit
17. CaspGLOW™ Active Caspase Staining Kits
18. CaspSELECT™ Caspase-3 & -7 Immunoassay Kits
19. Caspase-1,-2,-3,-5,-6,-7,-8,-9,-10 Activity Assay Kits
20. Recombinant Human, Mouse, Rat Active Caspases & Procaspsases
21. Anti-Caspase-1,-2,-3,-4,-5,-6,-7,-8,-9,-10,-11,-12,-13,-14 & Active Caspases
22. Ready-to-use Caspase Inhibitors & Sets
23. Ready-to-use Caspase Substrates and Sets
24. Quick Apoptotic DNA Ladder Detection Kit
25. TUNEL-based DNA Fragmentation Assay Kits
26. Ready-to-use Apoptosis Inducers and Set
27. Quick Cell Proliferation Assay Kit
28. LDH-Cytotoxicity Assay Kit
29. Live-Dead Cell Staining Kit
30. Anti-GFP, His, GST, and Other Tag Antibodies
31. Growth Factors, Cytokines & Chemokines (many)
32. Adipocyte Secreted Proteins and Their Antibodies
32. Link-FAST™ 5 Minutes DNA Ligation Kit
33. Gel-FAST™ 20 Minutes Gel Staining/Destaining Kit

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