

## PRODUCT: Camptothecin

<b>CATALOG #:</b>	1039-1
<b>AMOUNT:</b>	1 ml (2 mM in DMSO)
<b>LOT #:</b>	_____
<b>STORAGE CONDITIONS:</b>	Store at -20°C.
<b>SHELF LIFE:</b>	Stable for 6 months at -20°C
<b>MOLECULAR WEIGHT:</b>	348.4
<b>MOLECULAR FORMULA:</b>	C <sub>20</sub> H <sub>16</sub> N <sub>2</sub> O <sub>4</sub>
<b>PURITY:</b>	≥98% by TLC

### DESCRIPTION:

Reversibly inhibits nuclear topoisomerase I by binding to and stabilizing the topoisomerase-DNA covalent complex. Inhibits Tat-mediated transcription of HIV-1. Induces apoptosis in Jurkat, osteosarcoma (1) and hepatoma cells (2).

### RECOMMENDED USAGE:

We recommend using 1000X dilutions for inducing apoptosis in Jurkat cells. However, the optimal doses may vary for different cells and culture conditions.

**CAUTION:** Potential mutagen/reproductive hazard!

### REFERENCES:

1. Nicholson, D.W., *et al.* (1995) *Nature* **376**:37-40.
2. Suzuki, A. and M. Kato (1996) *Exp. Cell. Res.* **227**:154-163.

### RELATED PRODUCTS:

1. KinaseSTAR™ JNK & Akt Activity Assay Kit
2. Histone Deacetylase Fluorometric & Colorimetric Assay Kits
3. Calpain Activity Assay Kit
4. Apoptotic Cell Isolation Kit
5. MitoCapture™ Mitochondrial Apoptosis Detection Kit
6. Mitochondria/Cytosol Fractionation Kit
7. Nuclear/Cytosol Fractionation Kit
8. Cytochrome c Releasing Apoptosis Assay Kit
9. ApoSENSOR™ ATP Determination Kit & ADP/ATP Ratio Assay Kit
10. ApoGSH™ Glutathione and Nitric Oxide Detection Kits
11. Annexin V-FITC, -Cy3, -Cy5, -EGFP, -PE, -Biotin Kits and Bulk Reagents
12. CaspSCREEN™ Flow Cytometric Caspase Assay Kit
13. CaspGLOW™ Active Caspase Staining Kit
14. CaspSELECT™ Caspase-3 & -7 Immunoassay Kits
15. Caspase-1,-2,-3,-5,-6,-8,-9,-10 Activity Assay Kits
16. Active Human Caspase-1,-2,-3,-4,-5,-6,-7,-8,-9,-10 & Procaspsases
17. Ready-to-use Caspase Inhibitors & Sets
18. Ready-to-use Caspase Substrates and Sets
19. Quick Apoptotic DNA Ladder Detection Kit
20. Ready-to-use Apoptosis Inducers and Set
21. Quick Cell Proliferation Assay Kit
22. LDH-Cytotoxicity Assay Kit
23. Anti-Caspase-1,-2,-3,-4,-5,-6,-7,-8,-9,-10,-11,-12,-13,-14 & Active Caspases
24. Anti-Apaf-1, Bcl-2, Bcl-x, Bax, Bad, Bid, Bim/Bod, Mcl-1, Cytochrome c
25. Anti-DFF40, DFF45, FADD, p53, IRAK, Wee1, CD40, DcR2, cFLIP, CTGF
26. Many Other Apoptosis & Cell Signaling Related Antibodies
27. Quick Apoptotic DNA Ladder Detection Kit
28. TUNEL-based *In Situ* DNA Fragmentation Assay Kits
29. Ready-to-use Apoptosis Inducers and Set
30. Quick Cell Proliferation Assay Kit
31. LDH-Cytotoxicity Assay Kit
32. Live-Dead Cell staining Kit
33. Growth Factors, Cytokines & Chemokines (many)
34. Link-FAST™ 5 Minutes DNA Ligation Kit
35. Gel-FAST™ 20 Minutes Gel Staining/Destaining Kit
36. Protease Inhibitor Cocktail