Camptothecin

**CATALOG #:**
- 1039-1 1 ml (2 mg/ml)
- 1039-50MG 50 mg (solid)
- 1039-500MG 500 mg (solid)

**MOLECULAR FORMULA:** $C_{20}H_{16}N_2O_4$

**MOLECULAR WEIGHT:** 348.4

**CAS#:** 7689-03-4

**PURITY:** >98% by TLC

**STORAGE CONDITIONS:** Store at -20°C

**SHELF LIFE:** Stable for 6 months at -20°C

**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:**

FOR RESEARCH USE ONLY! Not to be used in humans.