

QUALITY SPECIFICATION

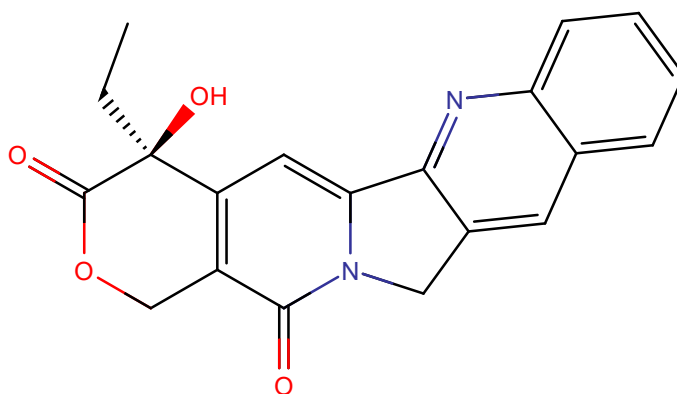
Camptothecin

Catalog No.: NST-10-81

CAS No.: 7689-03-4

Molecular formula: $C_{20}H_{16}N_2O_4$

MW: 348.35



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	Light yellow	Visual
3.	Identification	Conforms	TLC&NMR
4.	Purity	≥98.0%	HPLC
5.	Sulfated ash	≤0.5 %	In house
6.	Loss on drying	≤0.5 %	In house
7.	Melting point	259°C-263°C	Melting point apparatus
8.	Optical rotation	40° to 42°	Polarimeter
9.	Methanol residue	≤3000 ppm	GC
10.	Chloroform residue	≤60 ppm	GC
11.	Heavy Metals	≤20 ppm	ICP-MS
12.	Arsenic	≤2 ppm	ICP-MS

Storage: long term storage - airtight container +2 ... +8 °C

Stability: 24 months when properly stored

