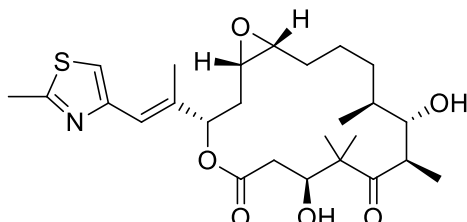


Epothilone A

Code No.: **BIA-E1254**

Pack sizes: **0.1 mg, 0.5 mg**



Synonyms : EpoA

Specifications

CAS #	: 152044-53-6
Molecular Formula	: C ₂₆ H ₃₉ NO ₆ S
Molecular Weight	: 493.7
Source	: <i>Sorangium cellulosum</i>
Appearance	: White to off white powder
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Epothilone A is a microtubule inhibitor isolated from the myxobacteria, *Sorangium cellulosum*. Epothilone A acts by stabilising microtubule formation at the taxol binding site, and causes cell cycle arrest at the G2/M transition, leading to cytotoxicity. Epothilone A has been investigated in clinical trials as an antitumor agent.

References

1. Epothilons A and B: Antifungal and cytotoxic compounds from *Sorangium cellulosum* (myxobacteria) production, physico-chemical and biological properties. Gerth K. et al., J. Antibiot. (Tokyo) 1996, 49, 560.
2. Epothilones, a new class of microtubule-stabilizing agents with a taxol-like mechanism of action. Bollag D. M. et al., Cancer Res. 1995, 55, 2325.