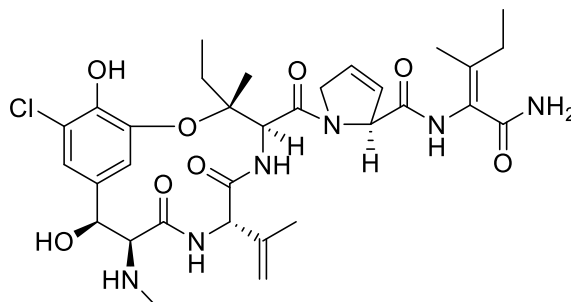


Phomopsinamine

Code No.: **BIA-P2445**

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



Synonyms : Phomopsinamine A

Specifications

CAS #	: 89085-54-1
Molecular Formula	: C ₃₂ H ₄₃ ClN ₆ O ₈
Molecular Weight	: 675.17
Source	: <i>Phomopsis leptostromiformis</i>
Appearance	: Tan solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Phomopsinamine is a potent mycotoxin produced by the fungus, *Phomopsis leptostromiformis*. Phomopsinamine is formed by hydrolysis of the dicarboxylic acid of phomopsin A. The phomopsins cause lupinosis in livestock fed infected lupins. Phomopsinamine is a potent microtubule inhibitor, blocking the polymerization of tubulin at a concentration of less than 1 µM by binding selectively to dimeric tubulin at a site overlapping that of vinblastine and maytansine.

References

1. The chemical and biological properties of phomopsin. Frahn J.L. et al. *Toxicon*. 1983, Suppl. 3, 149.
2. Interaction of phomopsin A and related compounds with purified sheep brain tubulin. Lacey E. et al. *Biochem Pharmacol*. 1987, 36, 2133.