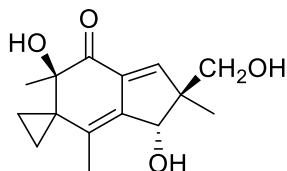


Illudin S

Code No.: **BIA-I1398**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

CAS #	: 1149-99-1
Molecular Formula	: C ₁₅ H ₂₀ O ₄
Molecular Weight	: 264.3
Source	: <i>Pleurotus lampas</i>
Appearance	: Light yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes

Illudin S is potent antitumor sesquiterpene, first isolated from the fungus, *Clitocybe illudens*, in 1963. Illudin S is metabolically activated to reactive intermediates that bind DNA. The DNA damage appears to differ from that of other reactive metabolites. Importantly, illudin S exhibits in vitro and in vivo potency against multi-drug resistant tumors.

References

1. The structure of the basidiomycete metabolites, illudin S and illudin M. McMorris T.C. & Anchel M. J. Am. Chem. Soc. 1963, 85, 831.
2. Characterization of illudin S sensitivity in DNA repair-deficient Chinese hamster cells: Unusually high sensitivity of ercc2 and ercc3 DNA helicase-deficient mutants in comparison to other chemotherapeutic agents. Kelner M.J. et al., Biochem. Pharmacol. 1994, 48, 403.