

Product Name:	Illudin S
Product Number:	I019
CAS Number:	1149-99-1
Molecular Formula:	$C_{15}H_{20}O_4$
Molecular Weight:	264.3
Appearance:	Light yellow solid
Storage Conditions:	-20°C
Description:	<p>Illudin S is potent antitumor sesquiterpene, first isolated from the fungus, <i>Clitocybe illudens</i>, 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.</p> <p>Illudin S is soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.</p>
References:	<p>The structure of the basidiomycete metabolites, illudin S and illudin M. McMorris T.C. & Anchel M. J. Am. Chem. Soc. 1963, 85, 831.</p> <p>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.</p>