

Product Name: Diacetylcercosporin

Product Number: D050

Molecular Formula: C₃₄H₃₂O₁₂

Molecular Weight: 632.6

Appearance: Dark red solid

Storage Conditions: -20°C

Description: Diacetylcercosporin is a minor hydrophobic analogue of cercosporin produced by several species of the fungal genera, Cercospora and Septoria. Diacetylcercosporin has moderate in vitro activity against Leishmania and chloroquine-sensitive strains of Plasmodium falciparum. Diacetylcercosporin exhibits antitumor activity. Like other perylenequinones, the biological activity of diacetylcercosporin is significantly enhanced on light-activation.

Diacetylcercosporin is soluble in ethanol, methanol, DMF and DMSO.

References: Cercosporin. A pigment of Cercosporina kikuchii Matsumoto et Tomoyasu. I. Cultivation of fungus, isolation and purification of pigment. Kuyama S. & Tamura T. J. Am. Chem. Soc. 1957, 79, 5725. .

Antiprotozoal and antimicrobial compounds from the plant pathogen Septoria pistaciarum. Kumarihamy M. et al. J. Nat. Prod. 2012, 75, 883.