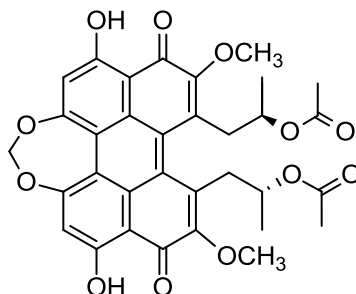


## Diacetylcercosporin

Code No.: **BIA-D1607**

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



Synonyms :

### Specifications

CAS #	:	-
Molecular Formula	:	<b>C<sub>34</sub>H<sub>32</sub>O<sub>12</sub></b>
Molecular Weight	:	<b>632.6</b>
Source	:	<b><i>Cercospora</i> sp.</b>
Appearance	:	<b>Dark red solid</b>
Purity	:	<b>&gt;95% by HPLC</b>
Long Term Storage	:	<b>-20°C</b>
Solubility	:	<b>Soluble in ethanol, methanol, DMF or DMSO.</b>

### Application Notes

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.

### References

1. 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.
2. Antiprotozoal and antimicrobial compounds from the plant pathogen *Septoria pistaciarum*. Kumarihamy M. et al. J. Nat. Prod. 2012, 75, 883.

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