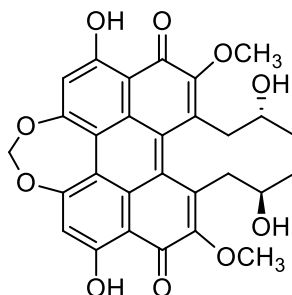


Cercosporin

Code No.: **BIA-C1521**

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



Synonyms : CGP049090, NSC 153111

Specifications

CAS #	: 35082-49-6
Molecular Formula	: C ₂₉ H ₂₆ O ₁₀
Molecular Weight	: 534.5
Source	: <i>Cercospora</i> sp.
Appearance	: Dark red solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Cercosporin (CGP049090) is a perylenequinone reported in 1957 as the causative agent of soy bean purple speck disease due to the fungal pathogen, *Cercosporium kikuchii*, which is widely found in species of *Cercosporium*. Cercosporin phytotoxicity is light-activated and this process contributes to a wider biological profile as a photodynamic antiviral and antitumor active. Cercosporin is an antagonist of Tcf4/b-catenin signalling, inhibiting the expression of survivin and inducing apoptosis in several tumor cell lines.

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. Small-molecule antagonists of the oncogenic Tcf/beta-catenin protein complex. Lepourcelet M. et al., Cancer Cell. 2004, 5, 91.