


**PRODUCT: Cercosporin**

<b>ALTERNATE NAME:</b>	6,11-dihydroxy-8,9-bis[(2r)-2-hydroxypropyl]-7,10-dimethoxyperylol[1,12-def][1,3]dioxepine-5,12-dione; NSC 153111
<b>CATALOG #:</b>	9684-250, 1000
<b>AMOUNT:</b>	250 µg, 1 mg
<b>STRUCTURE:</b>	
<b>MOLECULAR FORMULA:</b>	C <sub>29</sub> H <sub>26</sub> O <sub>10</sub>
<b>MOLECULAR WEIGHT:</b>	534.51
<b>CAS NUMBER:</b>	35082-49-6
<b>APPEARANCE:</b>	Dark red solid
<b>SOLUBILITY:</b>	DMSO
<b>PURITY:</b>	≥95% by HPLC
<b>STORAGE:</b>	Store at -20°C. Protect from air and light
<b>DESCRIPTION:</b>	Cercosporin is a light-induced polyketide phytotoxin reported to produce singlet oxygen when photoactivated. Acts as a potent and specific PKC inhibitor. Competes for the phorbol binding site. Anticancer compound. Also displays antiproliferative, antiparasitic and antimicrobial properties.
<b>REFERENCES:</b>	Daub, M.E., <i>et al.</i> (2013). <i>Antioxid. Redox Signal</i> <b>19</b> , 970-989.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

Bisindolylmaleimide I (**Cat. No. 1945-1, 5**)  
 Bisindolylmaleimide I hydrochloride (**Cat. No. 1947-1, 5**)  
 Calphostin C (**Cat. No. 2611-50, 100**)  
 Chelerythrine chloride (**Cat. No. 2064-5**)  
 Enzastaurin (**Cat. No. 1619-1, 5**)  
 Fasudil Mono HCl (**Cat. No. 1787-10, 50**)  
 Go6976 (**Cat. No. 1711-500**)  
 Gö 6983 (**Cat. No. 9539-1,5**)  
 EZSolution™ Go6976 (**Cat. No. 1785-500**)  
 H-7, Dihydrochloride (**Cat. No. 9543-5,25**)  
 H-89 DiHCl (**Cat. No. 1768-1, 5**)  
 K252a (**Cat. No. 2013-500, 1000**)  
 KN-93, Water-Soluble (**Cat. No. 1909-1, 5**)  
 PKC412 (**Cat. No. 2052-1,5**)  
 Ro 31-8220 methanesulfonate (**Cat. No. 1946-1, 5**)  
 Staurosporine (**Cat. No. 1048-01, 1**)  
 EZSolution™ Staurosporine (**Cat. No. 1745-01**)  
 Stauprimide (**Cat. No. 1743-500**)  
 Tamoxifen citrate (**Cat. No. 1551-1000**)

**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**