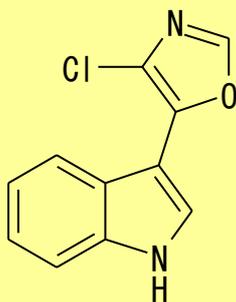


## Streptochlorin

Cat.# BLK0710

## Structure



Streptochlorin

Origin: *Streptomyces roseolilacinus*

CAS Registry Number: 120191-51-7

CA Index Name: 4-Chloro-5-(3-indolyl)oxazole 3-(4-Chloro-5-oxazolyl)-1H-indole

Appearance: Crystalline

Molecular Formula/ Weight: C<sub>11</sub>H<sub>7</sub>ClN<sub>2</sub>O=218.64

Melting Point: 173-174°C Purity:&gt;95.0% by HPLC

Solubility: Sol. in DMSO, MeOH Inso. in water, Hexane

pKa:

log P:

## Background Information:

Induces apoptosis through a reactive oxygen species (ROS) -mediated mitochondrial pathway. Has antiangiogenic and anticancer properties. Exhibits selective cytotoxicity against several cancer cell lines. Inhibits TNF- $\alpha$ -induced NF- $\kappa$ B activation and is a potent suppressor of angiogenesis in vitro.

## Handling and Storage:

Store at -20°C.

## References:

1. H. J. Shin, et al.; J. Microbiol. Biotechnol. 17, 1403 (2007)
2. C.Park, et al.; Toxicol. In Vitro 22, 1573 (2008)
3. D. Y. Shin, et al.; J. Microbiol. Biotechnol. 18, 1862 (2008)

Manufactured with Cortesy strain from The Kitasato Institute.

(ID#: FO-2942)