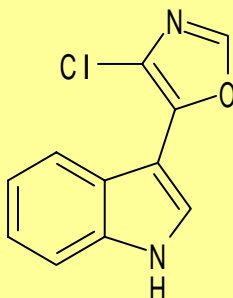


Streptochlorin

Cat.# BLK0710

Structure

**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:** C₁₁H₇ClN₂O=218.64**Melting Point:** 173-174**Purity:** >95.0% by HPLC**Solubility:** Sol. in DMSO, MeOH Inso. in water, Hexane

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- α -induced NF- κ B activation and is a potent suppressor of angiogenesis in vitro.

Handling and Storage:

Store at -20 .

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.