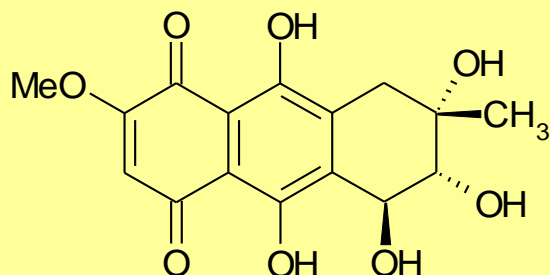


# Bostrycin

Cat.# BLK-1370

## Structure

**Origin:** Arthrinium sp.**CAS Registry Number:** 21879-81-2**Appearance:** dark red solid**Molecular Formula/ Weight:** C<sub>16</sub>H<sub>16</sub>O<sub>8</sub>=336.30**Purity:** >95.0% by HPLC**Solubility:** Sol. in 1mg/ml DMSO

## Background Information:

Bostrycin, tetrahydroanthraquinone, is isolated from *Bostrychonema aloestre*.

It induces mitochondria-mediated apoptosis in the yeast *Saccharomyces cerevisiae*, and inhibits proliferation of human lung carcinoma A549 cells via downregulation of the PI3K/Akt pathway.

It shows activity against *Mycobacterium tuberculosis* protein tyrosine phosphatase (MtpB) in vitro.

## Handling and Storage:

Store at -20°C.

## References:

1. Tetrahedron Lett. 1968 Dec;(58):6087-94.
2. Tetrahedron. 1970 Mar;26(5):1339-46.
3. FEMS Yeast Res. 2010 May;10(3):297-308. doi: 10.1111/j.1567-1364.2010.00615.x. Epub 2010 Mar 3.
4. J Exp Clin Cancer Res. 2011 Feb 8;30:17. doi: 10.1186/1756-9966-30-17.
5. Mar Drugs. 2012 Apr;10(4):932-52. doi: 10.3390/md10040932. Epub 2012 Apr 24.
6. Med Chem. 2016;12(3):296-302.

*Manufactured with Cortesy strain from The Kitasato Institute.*