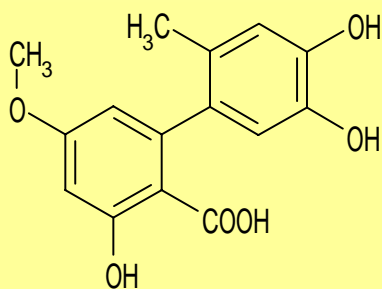


## Altenusin

Cat.# BLK0810

## Structure

**Origin:** *Penicillium* sp.**CAS Registry Number:** 31186-12-6**CA Index Name:****Appearance:** yellow solid**Molecular Formula/ Weight:** C<sub>15</sub>H<sub>14</sub>O<sub>6</sub>=290.27**Melting Point:** 182-185**Purity:** >95.0% by HPLC**Solubility:** Sol. in 1mg/ml ethanol, methanol, DMSO**Background Information:**

Antifungal penicillide. Non-competitive, specific neutral sphingomyelinase (N-SMase) and strong pp60c-Src inhibitor. Inhibits cFMS receptor tyrosine kinase (CSF-1/m-CSF receptor tyrosine kinase) which is implicated in cancer and bone diseases. Myosin light chain kinase inhibitor. Exhibits anti-HIV-1 integrase activity.

**Handling and Storage:**

Store at -20 .

**References:**

1. Biochem. J. 67 390 (1957)
2. Biochem. J. 80 234 (1961)
3. J. Chem. 23 2343 (1970)
4. Phytopathol. 21 87 (1983)
5. J. Chem. 68 2085 (1990)
6. Biochem. 59 1333 (1995)
7. J. Antibiot. 52 572 (1999)
8. J. Ind. Microbiol. Biotechnol. 30 721 (2003)
9. Lett. Drug Design Discov. 1 24 (2004)
10. Med. Res. Rev. 26 271 (2006)
11. J. Nat. Med. 60 185 (2006)

*Manufactured with Cortesy strain from The Kitasato Institute.*