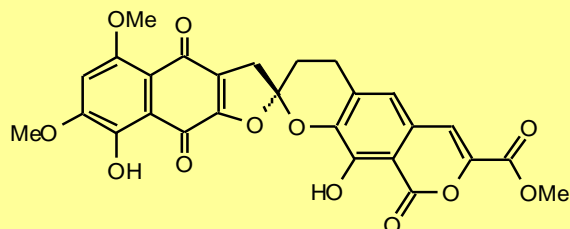


# Beta-Rubromycin

Cat.# BLK-1170

## Structure



**Origin:** Streptomyces sp.

**CAS Registry Number:** 27267-70-5

**Appearance:** dark red solid

**Molecular Formula/ Weight:**  
=C<sub>27</sub>H<sub>20</sub>O<sub>12</sub>=536.45

**Purity:** >95.0% by HPLC

**Solubility:** Sol. in 1mg/ml DMSO

### Background Information:

Bate-rubromycin, naphthoquinone spiroketal, was isolated from *Streptomyces* sp. This compound inhibits HIV-1 reverse transcriptase (RT) and it is cytostatically active against different tumor cell lines.

### Handling and Storage:

Store at -20°C.

### References:

1. Tetrahedron Lett. 1966 Jul;30:3525-30.
2. Chem Ber. 1969;102(1):126-51.
3. Mol Pharmacol. 1990 Jul;38(1):20-5.
4. Biochemistry. 2000 May 23;39(20):5995-6002.
5. Mini Rev Med Chem. 2012 Oct;12(11):1135-43.

*Manufactured with Cortesy strain from The Kitasato Institute.*