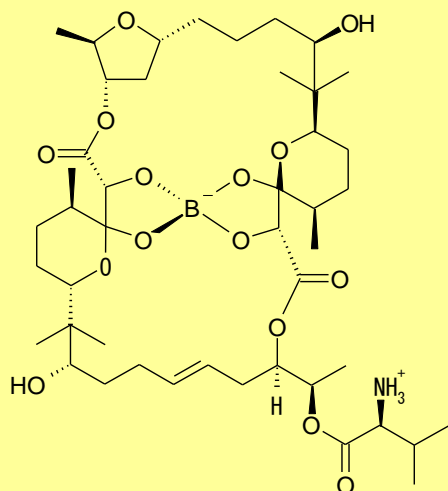


## Structure

**Origin:** Streptomyces sp.**CAS Registry Number:** 34524-20-4**Appearance:** off white solid**Molecular Formula/ Weight:**  
C<sub>45</sub>H<sub>74</sub>BNO<sub>15</sub>=879.90**Purity:**>95.0% by HPLC**Solubility:** Sol. in 1mg/ml ethanol, methanol, DMSO**Background Information:**

Boromycin, polyether-macrolide antibiotic and containing the element boron, was isolated from *Streptomyces antibioticus*. It shows activity against Gram-positive bacteria but ineffective against Gram-negative. This compound is a potent anti-human immunodeficiency virus (HIV). Boromycin abrogates bleomycin-induced G2 checkpoint.

**Handling and Storage:**

Store at -20°C.

**References:**

1. Helv Chim Acta. 1967;50(6):1533-9.
2. Biosci Biotechnol Biochem. 1996 Jun;60(6):1036-7.
3. J Antibiot (Tokyo). 2004 Oct;57(10):662-8.

*Manufactured with Cortesy strain from The Kitasato Institute.*