**PRODUCT DATA SHEET**

**Apoptolidin**

**Specifications**
- **CAS #**: 194874-06-1
- **Molecular Formula**: C_{58}H_{96}O_{21}
- **Molecular Weight**: 1129.4
- **Source**: Amycolatopsis sp.
- **Appearance**: White Lyophilisate
- **Purity**: >95% by HPLC
- **Long Term Storage**: -20°C
- **Solubility**: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

**Application Notes**
Apoptolidin, originally isolated from a Nocardiopsis sp., induces apoptotic cell death in rat glial cells transformed with the adenovirus E1A oncogene (IC50 = 11 ng/ml). Apoptolidin is among the most selective cytotoxic agents tested by the NCI in human cancer cell lines. Although the apoptotic activity of apoptolidin correlates with F0F1-ATPase inhibition, recent evidence suggests the existence of a secondary biological target or more complex mode of action.

**References**