Product Name: Apoptolidin

Product Number: A130

CAS Number: 194874-06-1

Molecular Formula: C_{58}H_{96}O_{21}

Molecular Weight: 1129.4

Appearance: White Lyophilisate

Storage Conditions: -20°C

Description: 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. Apoptolidin is soluble in ethanol, methanol, DMF and DMSO and has limited water solubility.

Mechanism of Action: The apoptotic activity of apoptolidin correlates with F0F1-ATPase inhibition; however, recent evidence suggests the existence of a secondary biological target or more complex mode of action.

References: