Romidepsin

**Catalog No:** 14082, 14083

**Format:** 5 mg, 1 mg

**Chemical Properties:**
MW = 540.7  
C_{24}H_{36}N_{4}O_{6}S_{2}  
CAS 128517-07-7  
Physical Properties: Colorless lyophilized wax (vials appear empty)

**Names:** Romidepsin, FK228, FK 228, FR901228, Depsipeptide

**Pharmacology:** A potent and selective inhibitor of class I histone deacetylases (HDACs), IC_{50} = 36, 47, 510 and 14,000 nM for HDAC1, 2, 4 and 6 respectively (ref 1). Induces apoptosis in a variety of cell lines (ref 2) and displays anti-tumor activity in mouse models (ref 3). Recently approved for clinical uses in T-cell lymphoma (ref 4).

**Solubilization:** May be dissolved in DMSO (10 mg/ml)

**Fluorescent Properties:** N/A

**Quality Control:**
>98% (HPLC); NMR (Conforms)

**References:**

**Storage and Guarantee:** Store desiccated as supplied at -20°C for up to 2 years. Store solutions at -20°C for up to 1 month. This product is for research use only and is not for use in diagnostic procedures. This product is guaranteed for 6 months from date of arrival.