PRODUCT DATA SHEET

Funalenone

Code No.: BIA-F1666
Pack sizes: 0.5 mg, 2.5 mg

Synonyms : BMS 304245

Specifications
CAS # : 259728-61-5
Molecular Formula : C\textsubscript{15}H\textsubscript{12}O\textsubscript{6}
Molecular Weight : 288.3
Source : Aspergillus sp.
Appearance : Yellow to tan solid
Purity : >95% by HPLC
Long Term Storage : -20°C
Solubility : Soluble in ethanol, methanol, DMF or DMSO.

Application Notes
Funalenone is phenalenone isolated as a novel inhibitor of collagenase from Aspergillus niger by Omura and co-workers at the Kitasato Institute, Japan in 1999. Funalenone was reported to be devoid of antimicrobial activity (Gram positive and Gram negative, yeast and fungi). However, funalenone was also reported to inhibit bacterial cell wall synthesis enzymes, MraY and MurG. Funalenone has been identified as a potent inhibitor of HIV-1 integrase, showing 50-fold selectivity over mammalian cell toxicity.

References