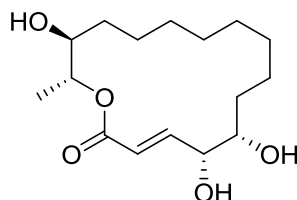


Berkeleylactone F

Code No.: **BIA-B1900**

Pack sizes: **1 mg, 5 mg**



Synonyms : BPL 79

Specifications

CAS #	: 2095114-72-8
Molecular Formula	: C ₁₆ H ₂₈ O ₅
Molecular Weight	: 300.4
Source	: <i>Penicillium</i> sp.
Appearance	: Off-white solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Berkleylactone F is a major analogue of a family of recently described macrolide antibiotics, isolated from a mixed fermentation of two *Penicillium* species. Berkleylactone F is active against Gram-positive bacteria, *Candida albicans* and *Candida glabrata*, with an undescribed but purportedly novel mode of action. Berkeleylactone F is an analogue of A 26771B.

References

1. The berkeleylactones, antibiotic macrolides from fungal coculture. Stierle A.A. et al., J. Nat. Prod. 2017, 80, 1150.
2. The isolation and structure elucidation of macrocyclic lactone antibiotic, A26771B. Michel K.H. et al., J. Antibiot. 1977, 30, 571.