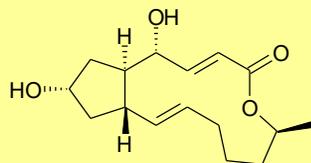


Brefeldin A

Cat.# BLK-1680

Structure



Origin: Lecanicillium fungicola.

CAS Registry Number: 20350-15-6

Appearance: off white solid

Molecular Formula/ Weight: C₁₆H₂₄O₄=280.37

Purity: >95.0% by HPLC

Solubility: Sol. in 1mg/ml ethanol, methanol, DMSO

Background Information:

Brefeldin A (BFA) is a 13-membered macrolide lactone originally isolated from *Eupenicillium brefeldianum*¹⁾. It inhibits ADP-ribosylation factor (ARF) guanine nucleotide exchange factors, resulting in rapid disassembly of the Golgi apparatus and blockade of ER–Golgi transport^{2, 3)}. Due to its defined mechanism of action, Brefeldin A is widely used as a research reagent to study membrane trafficking and protein secretion.

Handling and Storage:

Store at -20°C.

References:

1. Härril, E. et al. *Helv. Chim. Acta* 1963, 46, 1235–1243.
2. Donaldson, J. G. et al. *J. Cell Biol.* 1992, 116, 315–324.
3. Peyroche, A. et al. *Mol. Biol. Cell* 1999, 10, 331–345.

Manufactured with Cortesy strain from The Kitasato Institute.