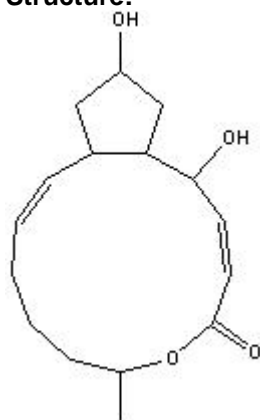


TECHNICAL INFORMATION

Catalog Number: 159027, 194802

Brefeldin A

Structure:



Molecular Formula: C₁₆H₂₄O₄

Molecular Weight: 280.37

CAS # : 20350-15-6

Synonyms: g,4-Dihydroxy-2[6-hydroxy-1-heptenyl]-4-cyclopentanecrotonic acid l-lactone; BFA; 1,6,7,8,9,11a,12,13,14,14a-Decahydro-1,13-dihydroxy-6-methyl-4H-cyclopent[f]oxacyclotridecin-4-one; Ascotoxin; Cyanein; Decumbin

Physical Description: White to off-white crystalline powder

Solubility: Soluble in chloride, methylene, ethanol (5 mg/ml-clear, colorless solution), methanol (5 mg/ml - clear, colorless solution), or DMSO (20 mg/ml). Store solutions aliquoted at -20°C for approximately 2 to 3 months.

Description: A fungal metabolite which is a macrocyclic lactone exhibiting a wide range of antibiotic activity.¹ Produced by *Penicillium brefeldianum*.¹ Blocks binding of the cytosolic coat protein b-COP and ARF to Golgi membranes mediated by protein G. Also blocks protein transportation into post-Golgi compartments. It activates the sphingomyelin cycle. Brefeldin A mediated apoptosis has been observed in human tumor cells.

Availability:

Catalog Number	Description	Size
159027	Brefeldin A	5 mg 25 mg
194802	Brefeldin A, molecular biology reagent	5 mg 10 mg

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