

Cat No. 23-S79

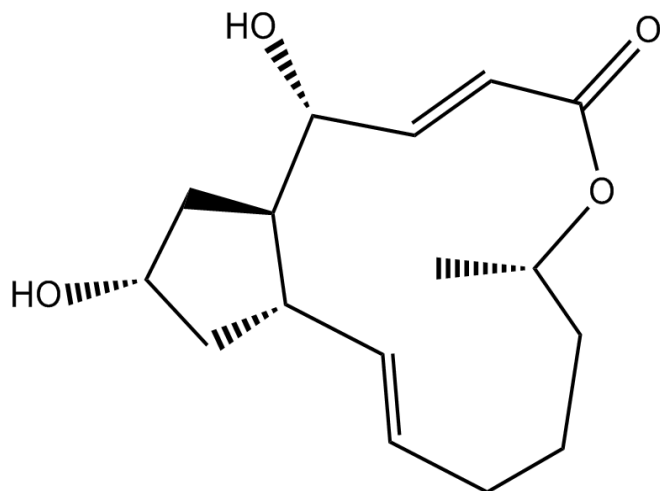
Brefeldin A

5 mg

Brefeldin A (BFA) (IC50 value of 0.2 μ M) is an inhibitor of ATPase.

ATPase is a chemical enzyme. It is essential in the ADP/ATP exchange providing chemical potential energy. ATP supplies the energy for such physiological activities such as importing metabolites necessary for cell metabolism, exporting toxins, wastes, and solutes that can hinder cellular processes, cell proliferation, ER stress and so forth.

TECHNICAL INFORMATION



Other Names: BFA, (1S,2E,7S,10E,12R,13R,15S)-12,15-dihydroxy-7-methyl-8-oxabicyclo[11.3.0]hexadeca-2,10-dien-9-one

Chemical Formula: C₁₆H₂₄O₄

CAS Number: 20350-15-6

Molecular Weight: 280.36

Purity: >98% by HPLC

Appearance: Off white crystalline solid

Solubility: DMSO, Ethanol



For research purposes only

STORAGE AND HANDLING

Storage: Store at 4°C and protected from light. Following reconstitution, store aliquots at -20°C.

Stability: Stock solutions stable at -20°C for up to 2 years.

Shipping Conditions: Shipped at room temperature.

PRODUCT USE

Soluble in DMSO (100 mg/ml). Soluble in Ethanol 25 mg/ml. Incubate in a 37°C water bath for 5 minutes if precipitate is observed.

REFERENCES

1. Wierzbicki P. et al. (2014) Protein and siRNA delivery by transportan and transportan 10 into colorectal cancer cell lines. *Folia Histochem Cytobiol* 2014;52(4):270-280.
2. Westerterp M. et al. (2014). ATP-Binding Cassette Transporters, Atherosclerosis, and Inflammation. *Circulation research*, 114 (2014) 157-170.
3. Joseph E.K. et al. (2014). ATP Release Mechanisms of Endothelial Cell-Mediated Stimulus-Dependent Hyperalgesia. *The journal of pain : official journal of the American Pain Society*, 15 (2014) 771-777.