

Phloxine B Biochemical

Phloxine B

CATALOG #
AAA227333

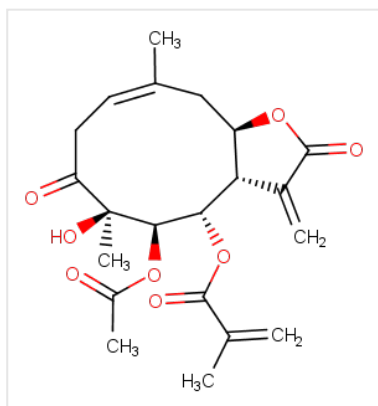
PRODUCT SYNONYMS

Phloxine B; Phloxine B biochemical

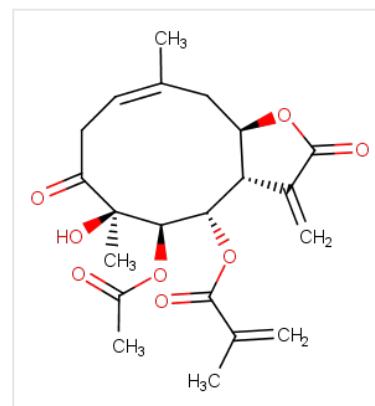
PRODUCT SPECIFICATIONS

Purity/Purification	98%
SMILES	<chem>BrC1=C([O-])C(Br)=CC2=C1OC3=C(Br)C([O-])=C(Br)C=C3C24C(C(Cl)=C(Cl)C(Cl)=C5C(Cl)=C5C(O4)=O.[Na+].[Na+]</chem>
Formula	C20H2Br4Cl4O5-2Na
CAS	18472-87-2
Solubility	DMSO: 30 mg/mL Ethanol: 2 mg/mL DMF: 30 mg/mL PBS (pH 7.2): 10 mg/mL <1mg/ml refers to the product slightly soluble or insoluble
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Calealactone C, CAS 499099-53-5



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ADDITIONAL INFORMATION

Related Product Information for Phloxine B biochemical

Phloxine B is a red dye, the USP grade of which is used as a color additive for food, drugs, and cosmetics. It has also been used as an alternative to Gram staining, to differentiate between Gram-negative and Gram-positive bacteria. At 100 ug/ml, it can inhibit methicillin-resistant *S. aureus* growth in vitro. Phloxine B has also been shown to modulate channel activity of wild-type cystic fibrosis transmembrane conductance regulator chloride channels (CFTR; $K_i = 38 \mu\text{M}$) and mutant delta F508 CFTR ($K_i = 33 \mu\text{M}$).

NCBI AND UNIPROT INFORMATION

Molecular Weight	406.431
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/biochemical/phloxine-b/227333>