

Product Datasheet

Filipin complex (orb1219216)

Catalog Number	orb1219216
Category	Small Molecules
Description	Filipin, produced as a mixture of related compounds known as the filipin complex (filipins I-IV) in nature, is a 28-membered ring pentaene macrolide antifungal antibiotic produced by <i>S. filipinensis</i> , <i>S. avermitilis</i> and <i>S. miharaensis</i> . Filipin interacts with membrane sterols causing the alteration of membrane structure. Filipin III is the major component of Filipin.
Target	Fungal
Purity	>98% (HPLC)
MW	654.8
Solubility (25°C)	DMSO : ≥ 100 mg/mL (152.72 mM); Ethanol : 10 mg/mL (15.27 mM; ultrasonic and warming and heat to 60°C)
CAS Number	11078-21-0
Formula	C ₂₇ H ₄₄ O ₈ (for Filipin III)
Storage	Storage temperature: -20°C. Stability: ≥ 2 years
Note	For research use only
Expiration Date	12 months from date of receipt.

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