

Product Datasheet

Filipin III (orb1709698)

Catalog Number	orb1709698
Category	Small Molecules
Description	Filipin III, derived from strain KPE18H, is a natural antifungal agent. It is widely employed as a fluorescent cholesterol probe in membrane biology, exhibiting excitation/emission maxima at ~360 nm and ~480 nm upon binding. This property facilitates cholesterol localization studies in both in vitro and in vivo experimental systems.
Target	Substrate / Probe
Form/Appearance	powder
Purity	>98%
MW	654.85
Biological Activity	Cholesterol probe
Solubility (25°C)	Soluble in Methanol (up to 10 mg/ml)
CAS Number	480-49-9
Formula	C ₃₅ H ₅₈ O ₁₁
SMILES	<chem>[H][C@@]1([C@H](O)CCCC)[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@@H](O)C[C@H](O)\C(C)=C\C=C\C=C\C=C\C=C\C=C\C[C@H](O)[C@@H](C)OC1=O</chem>
Chemical Name	From Streptomyces filipinensis
Storage	-20°C / protect from light
Note	For research use only

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558

Expiration Date 12 months from date of receipt.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

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68 TW Alexander Drive
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Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)