

## Product Information

### Zymosan A from *Saccharomyces cerevisiae*

**Cat. No.:** X24-04-XQ113

**Size:** 100 mg; 1 g

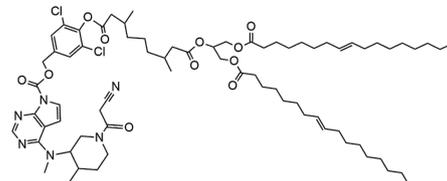
**MDL:** MFCD00082157

**CAS Number:** 58856-93-2

**Compound CID:** 167312533

**Synonym:** 58856-93-2; Lysostaphin; Zymosan A; Methyleugenyl PEG-8 dimethicone

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

<b>Description</b>	Zymosan A from <i>Saccharomyces cerevisiae</i> is a glycan with repeating glucose units linked by $\beta$ -1,3-glycosidic bonds primarily derived from yeast cell walls.
<b>Molecular Weight</b>	1332.6
<b>Molecular Formula</b>	$C_{74}H_{112}Cl_2N_6O_{11}$
<b>IUPAC Name</b>	1-O -[2,6-Dichloro-4-[[4-[[1-(2-cyanoacetyl)-4-methylpiperidin-3-yl]-methylamino]pyrrolo[2,3-d]pyrimidine-7-carbonyl]oxymethyl]phenyl] 9-O-[1,3-di(octadec-9-enoyloxy)propan-2-yl] 3,7-dimethylnonanedioate
<b>InChI</b>	InChI=1S/C74H112Cl2N6O11/c1-7-9-11-13-15-17-19-21-23-25-27-29-31-33-35-40-67(84)89-54-61(55-90-68(85)41-36-34-32-30-28-26-24-22-20-18-16-14-12-10-8-2)92-69(86)48-57(3)38-37-39-58(4)49-70(87)93-71-63(75)50-60(51-64(71)76)53-91-74(88)82-47-44-62-72(78-56-79-73(62)82)80(6)65-52-81(46-43-59(65)5)66(83)42-45-77/h21-24,44,47,50-51,56-59,61,65H,7-20,25-43,46,48-49,52-55H2,1-6H3
<b>InChI Key</b>	JITWMWVPQUZNB0-UHFFFAOYSA-N
<b>Canonical SMILES</b>	CCCCCCCC=CCCCCCCC(=O)OCC(COC(=O)CCCCCCCC=CCCCCCCC)OC(=O)CC(C)CCC(C(C)CC(=O)OC1=C(C=C(C=C1Cl)COC(=O)N2C=CC3=C2N=CN=C3N(C)C4CN(CCC4C)C(=O)CC#N)Cl
<b>Source</b>	<i>Saccharomyces cerevisiae</i>
<b>Form</b>	Off-white to light brown powder
<b>Applications</b>	Zymosan A from <i>Saccharomyces cerevisiae</i> can be used for the study of immune responses, mainly focusing on macrophage function.
<b>Storage</b>	Store at 4°C.