

Product Information

2-O-hexadecanoyl-3-O-(2,4S,6S-trimethyl-2E-pentacosenoyl)-6-O-(2R,4S,6S-trimethyl-3R-hydroxy-tetracosanoyl)-2'-O-(2R,4S,6S-trimethyl-3R-hydroxy-tetracosanoyl)

Cat. No.: X26-02-ZQ5114

Size: 1 mg; 10 mg; 25 mg; 100 mg

Compound CID: 52930229

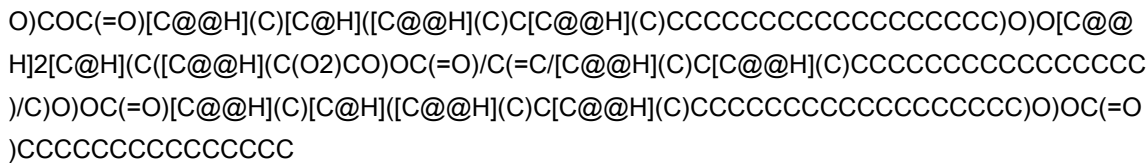
Synonym:

PAT16(25:1(2E)(2Me,4Me[S],6Me[S])/24:0(2Me[R],3OH[R],4Me[S],6Me[S])/24:0(2Me[R],3OH[R],4Me[S],6Me[S])/22:1(2E)(2Me,4Me[S],6Me[S]))

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

Product Information

Description	By shifting the hydroxylated branches to the 6 and 2' positions, this lipid investigates regiospecific polar interactions. It is a critical reagent for studying the enzymatic stability of surface lipids during host infection.
Molecular Weight	2165.4
Molecular Formula	C ₁₃₅ H ₂₅₄ O ₁₈
IUPAC Name	[[2R,3R,5R)-3-hexadecanoyloxy-5-hydroxy-2-[(2R,3S,5S)-4-hydroxy-6-(hydroxymethyl)-3-[(2S,3S,4S,6S)-3-hydroxy-2,4,6-trimethyltetracosanoyl]oxy-5-[(E,4S,6S)-2,4,6-trimethyldocos-2-enoyl]oxyoxan-2-yl]oxy-6-[[[(2S,3S,4S,6S)-3-hydroxy-2,4,6-trimethyltetracosanoyl]oxymethyl]oxan-4-yl](E,4S,6S)-2,4,6-trimethylpentacos-2-enoate
InChI	InChI=1S/C135H254O18/c1-18-23-28-33-38-43-48-53-57-60-63-66-70-75-80-85-90-95-108(7)100-112(11)104-116(15)131(143)151-127-124(140)120(106-146-132(144)117(16)122(138)113(12)101-109(8)96-91-86-81-76-71-67-61-58-54-49-44-39-34-29-24-19-2)148-135(129(127)149-121(137)98-93-88-83-78-73-64-52-47-42-37-32-27-22-5)153-134-128(152-133(145)118(17)123(139)114(13)102-110(9)97-92-87-82-77-72-68-62-59-55-50-45-40-35-30-25-20-3)125(141)126(119(105-136)147-134)150-130(142)115(14)103-111(10)99-107(6)94-89-84-79-74-69-65-56-51-46-41-36-31-26-21-4/h103-104,107-114,117-120,122-129,134-136,138-141H,18-102,105-106H2,1-17H3/b115-103+,116-104+/t107-,108-,109-,110-,111-,112-,113-,114-,117-,118-,119?,120?,122-,123-,124+,125?,126+,127?,128-,129+,134+,135+/m0/s1
InChI Key	RLSQALBUFREJMU-HTWGTSJKSA-N
Canonical SMILES	CCCCCCCCCCCCCCCC[C@H](C)C[C@H](C)/C=C\C/C(=O)OC1[C@H]([C@H](OC([C@H]1



Source	Chemical synthesis
Form	Solid or liquid
Purity	≥90%
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for one year when stored at the recommended temperature in lyophilized powder.
Quality Level	Research level
Applications	Specifically used to study the influence of the 2'-O-hydroxy-C24 chain on the enzymatic degradation of trehalose esters.
Storage	Store at -20°C.