CD BioGlyco

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA

Tel: 1-631-637-6119 | Email: info@bioglyco.com

Product Information

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

Cat. No.: X26-02-ZQ4865

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

Compound CID: 52929980

Synonym:

PAT16(22:1(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])/24:1(2E)(2Me,4Me[S],6Me[S]))

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

Product Information

Description	This di-hydroxylated variant includes a C24 phthienoic acid at the 4'-position to examine how multiple polar sites affect lipid microdomain organization. It is utilized in structural biology to characterize receptor binding pockets.
Molecular Weight	2151.4
Molecular Formula	$C_{134}H_{252}O_{18}$
IUPAC Name	[(3*R*,5*R*,6*R*)-5-hexadecanoyloxy-3-hydroxy-6-[(2*R*,3*S*,5*S*)-4-hydroxy-6-(hydroxymethyl)-3-[(2*S*,3*S*,4*S*,6*S*)-3-hydroxy-2,4,6-trimethyltetracosanoyl]oxy-5-[(*E*,4*S*,6*S*)-2,4,6-trimethyltetracos-2-enoyl]oxyoxan-2-yl]oxy-4-[(*E*,4*S*,6*S*)-2,4,6-trimethyldocos-2-enoyl]oxyoxan-2-yl]methyl (2*S*,3*S*,4*S*,6*S*)-3-hydroxy-2,4,6-trimethyltetracosanoate
InChI	InChI=1S/C134H252O18/c1-18-23-28-33-38-43-48-53-57-60-65-69-74-79-83-88-93-106(6)98-110(10)102-114(14)129(141)149-125-118(104-135)146-133(127(124(125)140)151-132(144)117(17)122(138)113(13)101-109(9)96-91-86-81-76-71-67-62-59-55-50-45-40-35-30-25-20-3)152-134-128(148-120(136)97-92-87-82-77-72-63-52-47-42-37-32-27-22-5)126(150-130(142)115(15)103-111(11)99-107(7)94-89-84-78-73-68-64-56-51-46-41-36-31-26-21-4)123(139)119(147-134)105-145-131(143)116(16)121(137)112(12)100-108(8)95-90-85-80-75-70-66-61-58-54-49-44-39-34-29-24-19-2/h102-103,106-113,116-119,121-128,133-135,137-140H,18-101,104-105H2,1-17H3/b114-102+,115-103+/t106-,107-,108-,109-,110-,111-,112-,113-,116-,117-,118?,119?,121-,122-,123+,124?,125+,126?,127-,128+,133+,134+/m0/s1
InChI Key	TXDWSQPCWSATPJ-OVXIRCMASA-N
Canonical SMILES	CCCCCCCCCCCCCCCCCC[C@H](C)C[C@H](C)/C=C(\C)/C(=O)O[C@@H]1C(O[C@@H]([C@H](

SUITE 201, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-637-6119 | Email: info@bioglyco.com

	C1O)OC(=O)[C@@H](C)[C@H]([C@@H](C)C[C@@H](C)CCCCCCCCCCCCCCCCCCC)O)O[C@@H]2[C@@H](C([C@@H](C(O2)COC(=O)[C@@H](C)[C@H]([C@@H](C)C[C@@H](C)CCCCCCCCCCCCCCCCCCC)O)O)OC(=O)/C(=C/[C@@H](C)C[C@@H](C)CCCCCCCCCCCCCCCCCC)/C)OC(=O)CCCCCCCCCCCCCCC)CO
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	2-*O*-hexadecanoyl-3-*O*-(2,4*S*,6*S*-trimethyl-2*E*-docosenoyl)-6-*O*-(2*R*,4*S*,6*S*-trimethyl-3*R*-hydroxy-tetracosanoyl)-2'-*O*-(2*R*,4*S*,6*S*-trimethyl-3*R*-hydroxy-tetracosanoyl)-4'-*O*-(2,4*S*,6*S*-trimethyl-2*E*-tetracosenoyl)-α,α-trehalose can be used to investigate the lateral organización of glycolipids with symmetric hydroxylated chains and a single docosenoyl terminal.
Storage	Store at -20ºC.