

Product Information

PIM1(19:0/16:2(9Z,12Z))

Cat. No.: X26-02-ZQ441

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

Compound CID: 126457403

Synonym: 2'-O-(α -D-Manp)-(1-nonadecanoyl-2-(9Z,12Z-hexadecadienoyl)-sn-glycero-3-phospho-1'-myo-inositol)

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

Product Information

Description	A PIM1 species featuring a long saturated C19 chain and a polyunsaturated C16 chain; creates significant structural asymmetry in the tail region.
Molecular Weight	1011.2
Molecular Formula	C ₅₀ H ₉₁ O ₁₈ P
IUPAC Name	[(2R)-2-[(9Z,12Z)-hexadeca-9,12-dienoyl]oxy-3-[hydroxy-[(1R,4R,6R)-2,3,4,5-tetrahydroxy-6-[(2R,3R,5S)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxycyclohexyl]oxyphosphoryl]oxypropyl]nonadecanoate
InChI	InChI=1S/C50H91O18P/c1-3-5-7-9-11-13-15-17-18-19-21-22-24-26-28-30-32-39(52)63-35-37(65-40(53)33-31-29-27-25-23-20-16-14-12-10-8-6-4-2)36-64-69(61,62)68-49-46(59)44(57)43(56)45(58)48(49)67-50-47(60)42(55)41(54)38(34-51)66-50/h8,10,14,16,37-38,41-51,54-60H,3-7,9,11-13,15,17-36H2,1-2H3,(H,61,62)/b10-8-,16-14-/t37-,38?,41-,42?,43-,44?,45?,46?,47-,48-,49-,50-/m1/s1
InChI Key	SRVQMGYCZJMYIW-LTPBWVTNSA-N
Canonical SMILES	CCCCCCCCCCCCCCCCCCCC(=O)OC[C@H](COP(=O)(O)O[C@H]1[C@@H](C([C@@H](C(C1O)O)O)O)[C@@H]2[C@@H](C([C@@H](C(O2)CO)O)O)OC(=O)CCCCCCC/C=C\C/C=C\CCC
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	PIM1(19:0/16:2(9Z,12Z)) can be used to investigate the impact of terminal chain length on the



surfactant efficiency of PIM1.

Storage

Store at -20°C.
