

Product Information

Linolipin E

Cat. No.: X26-02-ZQ314

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

Compound CID: 171120436

Synonym: 1-(12-(1'Z,3'Z-hexadienyloxy)-9Z,11E-dodecadienoyl)-2-(10-(1'Z,3'Z-hexadienyloxy)-7Z,9E-decadienoyl)-3-O-β-D-galactosyl-sn-glycerol

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

Product Information

Description	Part of the linolipin series; distinguished by its mass and polarity profile, reflecting a high density of oxygen-containing functional groups within the lipid tails.
Molecular Weight	775
Molecular Formula	C ₄₃ H ₆₆ O ₁₂
IUPAC Name	[(2S)-2-[(7Z,9E)-10-[(1Z,3Z)-hexa-1,3-dienoxy]deca-7,9-dienoyl]oxy-3-[(2R,3R,4S,5R,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxypropyl](9Z,11E)-12-[(1Z,3Z)-hexa-1,3-dienoxy]dodeca-9,11-dienoate
InChI	InChI=1S/C43H66O12/c1-3-5-7-23-29-50-31-25-19-15-11-9-10-13-17-21-27-38(45)52-34-36(35-53-43-42(49)41(48)40(47)37(33-44)55-43)54-39(46)28-22-18-14-12-16-20-26-32-51-30-24-8-6-4-2/h5-8,15-16,19-20,23-26,29-32,36-37,40-44,47-49H,3-4,9-14,17-18,21-22,27-28,33-35H2,1-2H3/b7-5-,8-6-,19-15-,20-16-,29-23-,30-24-,31-25+,32-26+/t36-,37-,40+,41+,42-,43-/m1/s1
InChI Key	XIXFOODLGVYRU-BKHWLYAPSA-N
Canonical SMILES	CC/C=C\C=C/O/C=C/C=C\C\CCCCCCCC(=O)OC[C@H](CO[C@H]1[C@@H]([C@H]([C@H]([C@H]([C@H](O1)CO)O)O)OC(=O)CCCCC/C=C\C=C\C/O/C=C\C=C/C/CC
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	Linolipin E can be used to research the metabolic flux of oxylipins within the galactolipid pool during



plant stress responses.

Storage

Store at -20°C.
