

Product Information

1-(9Z-octadecenoyl)-2-(5Z,8Z,11Z,14Z-eicosatetraenoyl)-3-O- α -D-glucuronyl-sn-glycerol

Cat. No.: X26-02-ZQ273

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

Compound CID: 42607396

Synonym: (2S,3S,6S)-3,4,5-trihydroxy-6-[(2S)-2-[(5Z,8Z,11Z,14Z,17Z)-eicosa-5,8,11,14,17-pentaenoyl]oxy-3-[(Z)-octadec-9-enoyl]oxypropoxy]oxane-2-carboxylic acid

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

Product Information

Description	A complex diacyl glycolipid with an sn-1 oleoyl chain and an sn-2 arachidonyl chain linked to an alpha-D-glucuronic acid headgroup, giving it an anionic character.
Molecular Weight	817.1
Molecular Formula	C ₄₇ H ₇₆ O ₁₁
IUPAC Name	(2S,3S,6S)-3,4,5-trihydroxy-6-[(2S)-2-[(5Z,8Z,11Z,14Z,17Z)-eicosa-5,8,11,14,17-pentaenoyl]oxy-3-[(Z)-octadec-9-enoyl]oxypropoxy]oxane-2-carboxylic acid
InChI	InChI=1S/C47H76O11/c1-3-5-7-9-11-13-15-17-19-20-22-24-26-28-30-32-34-36-41(49)57-39(38-56-47-44(52)42(50)43(51)45(58-47)46(53)54)37-55-40(48)35-33-31-29-27-25-23-21-18-16-14-12-10-8-6-4-2/h5,7,11,13,17-19,21-22,24,28,30,39,42-45,47,50-52H,3-4,6,8-10,12,14-16,20,23,25-27,29,31-38H2,1-2H3,(H,53,54)/b7-5-,13-11-,19-17-,21-18-,24-22-,30-28-/t39-,42?,43+,44?,45+,47+/m1/s1
InChI Key	KVVKZHYWJIKDEI-ZEPDRRQFSA-N
Canonical SMILES	CCCCCCCC/C=C\CCCCCCCC(=O)OC[C@H](CO[C@@H]1C(C([C@@H]([C@H](O1)C(=O)O)O)O)OC(=O)CCC/C=C\C/C=C\C/C=C\C/C=C\C/C=C\C/C=C\C/C=C\C
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	1-(9Z-octadecenoyl)-2-(5Z,8Z,11Z,14Z-eicosatetraenoyl)-3-O- α -D-glucuronyl-sn-glycerol can be used to research the role of acidic glucuronylglycerols in cellular signaling and membrane dynamics.



Storage

Store at -20°C.
