



C8 PEG750-Cer

Cat. No.:	OB0626WX-5124
Appearance:	Powder
Purity:	>99%
Size:	25 mg; 50 mg; 100 mg

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

Product Overview

Description	C8 PEG750-Cer is a PEGylated ceramide derivative containing a PEG750 chain. This amphiphilic lipid combines a short-chain ceramide backbone with PEG modification for investigating sphingolipid behavior and PEG-associated lipid properties.
Conjugation	PEGylated
Synonyms	N-octanoyl-sphingosine-1-{succinyl[methoxy(polyethylene glycol)750]}; C8 PEG CER AMIDE; 4-O-[(E)-3-hydroxy-2-(octanoylamino)octadec-4-enyl] 1-O-(2-methoxy ethyl) butanedioate; 212116-76-2
CAS No.	212116-76-2
Compound CID	118146581
Formula	C ₆₃ H ₁₂₁ NO ₂₂ (average FW due to polydispersity of PEG)
Formula Weight	1244.65

Specification

Hygroscopic	No
Light Sensitive	Yes
IUPAC Name	4-O-[(E)-3-hydroxy-2-(octanoylamino)octadec-4-enyl] 1-O-(2-methoxyethyl) butanedioate
InChI	InChI=1S/C33H61NO7/c1-4-6-8-10-11-12-13-14-15-16-17-19-20-22-30(35)29(34-31(36)23-21-18-9-7-5-2)28-41-33(38)25-24-32(37)40-27-26-39-3/h20,22,29-30,35H,4-19,21,23-28H2,1-3H3,(H,34,36)/b22-20+
InChI Key	DCKQGISDYCEVDT-LSDHQDQOSA-N

**Canonical SMILES**

CCCCCCCCCCCCC/C=C/C(C(COC(=O)CCC(=O)OCCOC)NC(=O)CCCCCCC)O

Stability

1 year

Storage

Storage at -20°C.

Applications

C8 PEG750-Cer is used as an analytical reference material for PEG-modified ceramide characterization and lipid conjugate analysis. It supports chromatographic analysis, structural profiling, and evaluation of PEGylated lipid components in biochemical research applications.