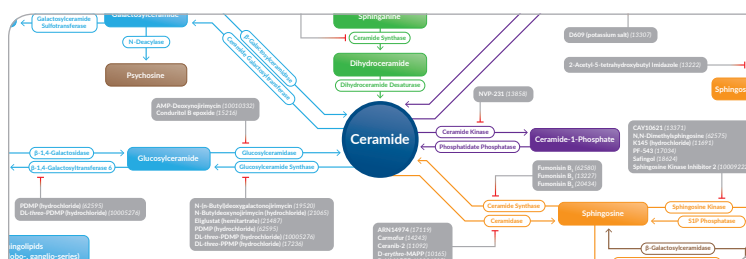


• Glycerolipids • Phospholipids • Sphingolipids



Sphingolipids: Ceramide is the intermediate in the formation of multiple types of sphingolipids: sphingosine, sphingomyelin, ceramide-1-phosphate, glucosylceramide, and galactosylceramide. These lipids modulate cell-cell interactions and are important for various cellular functions, including differentiation, proliferation, and programmed cell death. Cayman carries many different ceramide and sphingolipid research tools to help you study distinct aspects of this important lipid signaling pathway.



Request the Specialized Primary Pathways for Sphingolipid Synthesis brochure by visiting www.caymanchem.com/Literature

Sphingolipids

Item No.	Product Name
62527	C-6 NBD Ceramide
62540	C-8 Ceramide
17236	DL-threo-PPMP (hydrochloride)
10007946	Palmitoyl Sphingomyelin
10007945	D-erythro-Sphinganine
62570	Sphingosine-1-Phosphate

Common sphingolipids listed, over 40 sphingolipids available online

Glycerolipids: Glycerolipids are composed of mono-, di-, or trisubstituted glycerols. Diacylglycerols are produced by the PLC-dependent hydrolysis of membrane phospholipids and act as lipid second messengers. Esters formed from arachidonic acid linked to glycerol are known as endocannabinoids.

Glycerolipids

Item No.	Product Name
62160	2-Arachidonoyl Glycerol
362162	2-Arachidonoyl Glycerol-d ₅
362160	2-Arachidonoyl Glycerol-d ₈
62225	1,2-Dioctanoyl-sn-glycerol
10008650	1-Stearoyl-2-Arachidonoyl-sn-Glycerol
10009872	1-Stearoyl-2-Arachidonoyl-sn-Glycerol-d ₃

Common glycerolipids listed, over 35 glycerolipids available online

Phospholipids: Phospholipids are a major component of cell membranes, forming lipid bilayers due to their amphiphilic nature. The phosphate group can be modified with simple organic molecules such as choline or ethanolamine. Phospholipids have been widely used to prepare nanoformulations for drug delivery or other types of artificial membranes.

Phosphatidylinositols

Item No.	Product Name
10008438	D-myo-Inositol-1,4-diphosphate (sodium salt)
10008418	D-myo-Inositol-4,5-diphosphate (sodium salt)
10008425	D-myo-Inositol-3,4,5-triphosphate (sodium salt)
9000304	PtdIns-(1-arachidonoyl-d ₈ , 2-arachidonoyl) (sodium salt)
9000305	PtdIns-(1-arachidonoyl, 2-arachidonoyl-d ₈) (ammonium salt)
10008099	PtdIns-(1,2-dioctanoyl) (sodium salt)
10007710	PtdIns-(1,2-dipalmitoyl) (ammonium salt)
10007711	PtdIns-(4)-P ₁ (1,2-dioctanoyl) (ammonium salt)
64924	PtdIns-(4)-P ₁ (1,2-dipalmitoyl) (ammonium salt)
10007763	PtdIns-(3,5)-P ₂ (1,2-dioctanoyl) (sodium salt)
64910	PtdIns-(4,5)-P ₂ (1,2-dioctanoyl) (sodium salt)
10007764	PtdIns-(3,4,5)-P ₃ (1,2-dioctanoyl) (sodium salt)
64920	PtdIns-(3,4,5)-P ₃ (1,2-dipalmitoyl) (sodium salt)
9000414	PtdIns-(3,4,5)-P ₃ (1,2-dipalmitoyl)-d ₆₂ (sodium salt)
64930	PtdIns-(3,4,5)-P ₃ (1-stearoyl, 2-arachidonoyl) (sodium salt)

Common phosphatidylinositols listed, over 70 phosphatidylinositols available online

Sterol Lipids

These naturally occurring lipids are derived from hydroxylated polycyclic isopentenoids and are known to have a wide range of biological activities and physical properties from sustaining the domain structure of cell membranes to orchestrating signaling actions throughout the body. Cayman offers a wide range of oxysterols, bile acids, and steroid hormones for this important area of research.



Bile Acids

Item No.	Product Name
10011286	Chenodeoxycholic Acid
20848	Chenodeoxycholic Acid-d ₄
20250	Cholic Acid
20849	Cholic Acid-d ₄
9002532	Cholic Acid 7-sulfate
20756	Deoxycholic Acid
20851	Deoxycholic Acid-d ₄
16942	Glycochenodeoxycholic Acid (sodium salt)
21890	Glycochenodeoxycholic Acid-d ₄
20273	Glycolithocholic Acid (sodium salt)
20253	Lithocholic Acid
20831	Lithocholic Acid-d ₄
16215	Taurocholic Acid (sodium salt)
9002538	Taurocholic Acid 3-sulfate
15935	Taurodeoxycholic Acid (sodium salt)
17275	Tauroolithocholic Acid (sodium salt)
20277	Tauroursodeoxycholic Acid

Common bile acids listed, more bile acids available online

Oxysterols

Item No.	Product Name
10007601	5 α -hydroxy-6-keto Cholesterol
89355	22(R)-hydroxy Cholesterol
10009931	24(S)-hydroxy Cholesterol
14790	25(R)-27-hydroxy Cholesterol

Common oxysterols listed, over 20 oxysterols available online

Steroids

Item No.	Product Name
15728	Dehydroepiandrosterone
16146	17 α ,20 β -Dihydroxy-4-pregnen-3-one
10006315	17 β -Estradiol
16155	Estradiol 3-(β -D-Glucuronide) (sodium salt)
13019	2-Hydroxyestradiol
16145	20-hydroxy Ecdysone
18226	Hydrocortisone 21-hemisuccinate (sodium salt)
10006318	Levonorgestrel
9002042	Mebolazine
10006317	Mifepristone

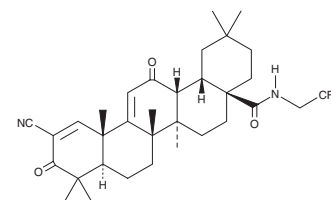
Common steroids listed, over 20 steroids available online

Custom Synthesis Spotlight:

When our customer needed to optimize blood-brain barrier transport of CDDO in their experimental model, we synthesized this trifluoroethylamide derivative.

CDDO-TFEA - Item No. 90001845

A trifluoroethylamide derivative of CDDO that enhances Nrf2 expression and signaling in various models of neurodegeneration; demonstrates anticancer activity against several neuroblastoma cell lines with IC₅₀s = 85-170 nM



Synthetic Triterpenoid
Enhances Nrf2 Expression



Need Custom Synthesis of your particular lipid?
Email us at contractresearch@caymanchem.com

Distributed by:



In Italy: Vinci-Biochem Srl
Contatto diretto: tel. 0571 568 147
vb@vincibiochem.it
www.vincibiochem.it