

Ceramidas e Esfingolipídeos A Cayman tem tudo que você precisa



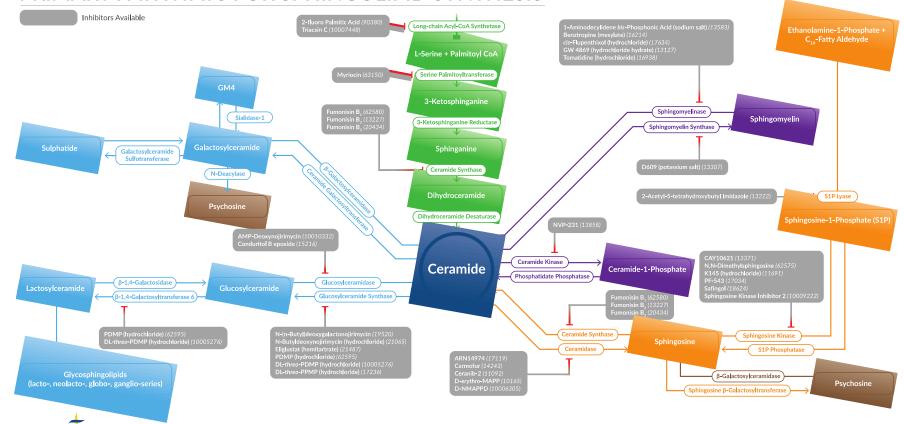
PATHWAYS FOR SPHINGOLIPID SYNTHESIS

Ceramides and other sphingolipids reside in the outer leaflet of the cell membrane where they modulate cell-cell interactions and can regulate differentiation, proliferation, and programmed cell death. Ceramide is the intermediate in the formation of multiple types of sphingolipids: sphingosine, sphingomyelin, ceramide-1-phosphate, glucosylceramide, and galactosylceramide, each of which mediate a wide range of biological activities. To help you study distinct aspects of this important lipid signaling pathway, Cayman carries many different ceramide and sphingolipid standards as well as inhibitors for the various enzymes driving key events in sphingolipid metabolism.





PRIMARY PATHWAYS FOR SPHINGOLIPID SYNTHESIS



Assay, Antibodies, and Proteins

Product Name	Summary
Sphingomyelin Colorimetric Assay Kit	Measure sphingomyelin in plasma and serum
Serine Palmitoyltransferase Polyclonal Antibody	Host: Rabbit · Applications: IHC, WB
Sphingosine Kinase 1 Polyclonal Antibody	Host: Rabbit · Applications: ICC, WB
Sphingosine Kinase 1 Polyclonal FITC Antibody	Host: Rabbit · Applications: FC, IF, WB
Sphingosine Kinase 1 (human recombinant)	Active, N-terminal His-tagged protein from Sf9 cells
Sphingosine Kinase 2 (human recombinant)	Full length, N-terminal His-tagged protein from Sf9 cells
	Assay Kit Serine Palmitoyltransferase Polyclonal Antibody Sphingosine Kinase 1 Polyclonal Antibody Sphingosine Kinase 1 Polyclonal FITC Antibody Sphingosine Kinase 1 (human recombinant) Sphingosine Kinase 2 (human

Fluorescent Probes

Item No.	Product Name	Summary
9000753	AV-Ceramide	Fluorescently tagged C-10 ceramide used to probe lipid transport
10007958	C-12 NBD Ceramide	Fluorescent ceramide analog used to measure alkaline and neutral ceramidase activity
10008097	C-12 NBD-dihydro-Ceramide	Fluorescent ceramide analog that contains a saturated bond in the C-4/C-5 position
20948	4-Methylumbelliferyl-β-D- Glucopyranoside	Fluorogenic substrate of β-glucosidase and β-glucocerebrosidase (glucosylceramidase)
16620		Fluorogenic substrate used to assay neuraminidase activity

Sphingosine-1-Phosphate Receptor Agonists/Antagonists

 $Sphing osine \ can be phosphorylated \ to form \ sphing osine-1-phospate \ (S1P), the \ ligand \ for \ a \ family \ of \ S1P \ receptors.$

Item No.	Product Name	Summary
10005033	CAY10444	S1P ₃ antagonist
16925	CYM 5442	S1P ₁ agonist (EC ₅₀ = 1.35 nM)
14667	CYM 50308	Selective SIP ₄ agonist (EC ₅₀ = 56 nM)
11975	Fingolimod	Orally bioavailable S1P receptor modulator
10006292 FTY7		Immune modulator that targets S1P receptors
	FTY720	Also available: azido-FTY720 (Item No. 10008612) and
		FTY720 Phosphate (Item No. 10008639)
10009458	JTE-013	S1P ₂ receptor antagonist (IC ₅₀ s = 17 and 22 nM for
		human and rat, respectively)
10006440	SEW2871	Selective S1P ₁ receptor agonist
10010992	W123	S1P ₁ antagonist (K _i = 0.69 μM)
10009109	W146 (trifluoroacetate salt)	S1P ₁ receptor antagonist (K _i = 77 nM)

