

MaxSpec[®]: Quantitative Lipidomics Products

MAXIMIZE RESULTS



Achieve quantitative accuracy and interlaboratory reproducibility with Cayman Chemical's new line of MaxSpec[®] standards and kits for mass spectrometry. MaxSpec[®] products are formulated as ready-to-use solutions to accelerate mass spectrometry workflows and are guaranteed to meet rigorous quality standards.

Ready-to-Use, Quantitative Standards

MaxSpec[®] Quality Guarantee

- ✓ Verified concentration
- ✓ LC-MS identity tested
- ✓ HPLC purity tested
- ✓ Ongoing stability testing



Prostaglandins

Item No.	Product Name
10007202	Prostaglandin D ₂ MaxSpec [®] Standard
10007208	13,14-dihydro-15-keto Prostaglandin D ₂ MaxSpec [®] Standard
10007211	Prostaglandin E ₂ MaxSpec [®] Standard
10007273	Prostaglandin E ₂ -d ₄ MaxSpec [®] Standard
10007215	15-keto Prostaglandin E ₂ MaxSpec [®] Standard
10007221	Prostaglandin F _{2α} MaxSpec [®] Standard
10007275	Prostaglandin F _{2α} -d ₄ MaxSpec [®] Standard
25903	8-iso Prostaglandin F _{2α} MaxSpec [®] Standard
10007235	15-deoxy-Δ ^{12,14} -Prostaglandin J ₂ MaxSpec [®] Standard

Hydroxy/Hydroperoxy/Epoxy/Oxo Eicosanoids

Item No.	Product Name
10007267	(±)14(15)-DiHET MaxSpec [®] Standard
10007262	(±)11(12)-EET MaxSpec [®] Standard
10007263	(±)14(15)-EET MaxSpec [®] Standard
10007243	5(S)-HETE MaxSpec [®] Standard
10007248	12(S)-HETE MaxSpec [®] Standard
10007251	15(S)-HETE MaxSpec [®] Standard
26004	(±)15-HETE MaxSpec [®] Standard
10007269	20-HETE MaxSpec [®] Standard
24923	20-HETE-d ₆ MaxSpec [®] Standard

Leukotrienes, Lipoxins, & Thromboxanes

Item No.	Product Name
10007240	Leukotriene B ₄ MaxSpec [®] Standard
10007241	Leukotriene C ₄ MaxSpec [®] Standard
10007242	Leukotriene E ₄ MaxSpec [®] Standard
25299	Leukotriene E ₄ -d ₅ MaxSpec [®] Standard
10007271	Lipoxin A ₄ MaxSpec [®] Standard
24936	Lipoxin A ₄ -d ₅ MaxSpec [®] Standard
10007237	Thromboxane B ₂ MaxSpec [®] Standard

Docosanoids, Fatty Acids, & Fatty Amides

Item No.	Product Name
10007268	Arachidonic Acid MaxSpec [®] Standard
24919	Arachidonic Acid-d ₁₁ MaxSpec [®] Standard
10007270	Arachidonoyl Ethanolamide MaxSpec [®] Standard
26414	Docosahexaenoic Acid MaxSpec [®] Standard
26415	Eicosapentaenoic Acid MaxSpec [®] Standard
10007223	(±)17-HDHA MaxSpec [®] Standard
25905	Resolvin D1 MaxSpec [®] Standard

Looking for a specific standard for quantitative mass spectrometry?

Find all MaxSpec[®] standards online or email sales@caymanchem.com for a custom quote

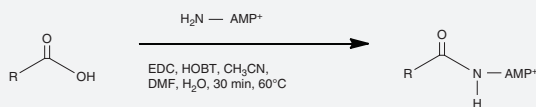
MaxSpec® Derivatization and Analysis Kits

MaxSpec® kits offer complete solutions to accelerate workflows and streamline sample and standard preparation in mass spectrometry applications. Each lot of MaxSpec® kits undergoes rigorous testing to ensure consistent performance. These kits contain all necessary reagents including a detailed protocol to simplify workflows and to help improve consistency and reproducibility from run to run.

AMP⁺ MaxSpec® Kit

Item No. 710000

A novel derivatization method to improve electrospray ionization and increase MS sensitivity for the detection of eicosanoids and lipids



Dienes Derivatization MaxSpec® Kit

Item No. 601510

For the sensitive, accurate detection and quantitation of diene-containing compounds such as vitamin D or vitamin D metabolites



Download the application note comparing LC-MS/MS sensitivity using different derivatization methods by visiting www.caymanchem.com/Literature

Lyosomal Acid Lipase Activity MaxSpec® Assay Kit

Item No. 24854

An LC-MS- or fluorometric-based reagent kit for lysosomal acid lipase activity quantification in dried blood spots

Biotinidase Activity MaxSpec® Assay Kit

Item No. 27544

An LC-MS-based reagent kit for biotinidase activity quantification in dried blood spots

Oxysterol Derivatization MaxSpec® Kit

Item No. 601540

A simplified workflow for enzymatic oxidation and derivatization of oxysterols for improved LC-MS sensitivity

Includes four derivatization workflows:

1. Standard oxysterol derivatization
2. Multiple cohort derivatization
3. Hydroxysterols and ketosterols
4. Quantitative analysis of oxysterols

Lipidomic Profiling Services from Cayman

Put your lipidomics study in the hands of lipid experts who have decades of collective experience in lipid synthesis, purification, and characterization. Cayman's state-of-the-art mass spectrometry laboratories are equipped with high-resolution Orbitrap MS, triple quadrupole MS, and GC-MS, enabling Cayman to offer targeted and untargeted lipidomics services to meet your specific project needs.

To view a complete list of our MaxSpec® products, visit us online at www.caymanchem.com