

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
10007201	Prostaglandin B ₂ MaxSpec [®] Standard
10007202	Prostaglandin D ₂ MaxSpec [®] Standard
10007272	Prostaglandin D ₂ -d ₄ MaxSpec [®] Standard
10007208	13,14-dihydro-15-keto Prostaglandin D ₂ MaxSpec [®] Standard
10007203	Prostaglandin D ₂ Ethanolamide MaxSpec [®] Standard
10007211	Prostaglandin E ₂ MaxSpec [®] Standard
10007273	Prostaglandin E ₂ -d ₄ MaxSpec [®] Standard
10007212	Prostaglandin E ₂ Ethanolamide MaxSpec [®] Standard
10007215	15-keto Prostaglandin E ₂ MaxSpec [®] Standard
10007214	13,14-dihydro-15-keto Prostaglandin E ₂ MaxSpec [®] Standard
10007219	6-keto Prostaglandin F _{1α} MaxSpec [®] Standard
10007221	Prostaglandin F _{2α} MaxSpec [®] Standard
10007275	Prostaglandin F _{2α} -d ₄ MaxSpec [®] Standard
10007222	Prostaglandin F _{2α} Ethanolamide MaxSpec [®] Standard
10007224	11β-Prostaglandin F _{2α} MaxSpec [®] Standard
10007227	15-keto Prostaglandin F _{2α} MaxSpec [®] Standard
10007226	13,14-dihydro-15-keto-Prostaglandin F _{2α} MaxSpec [®] Standard
10007235	15-deoxy-Δ ^{12,14} -Prostaglandin J ₂ MaxSpec [®] Standard

Oxylipins

Item No.	Product Name
24922	(±)19(20)-DiHDDPA MaxSpec [®] Standard
10007264	(±)5(6)-DiHET MaxSpec [®] Standard
10007267	(±)14(15)-DiHET MaxSpec [®] Standard
25032	(±)14(15)DiHET-d ₁₁ MaxSpec [®] Standard
10007252	5(S),6(R)-DiHETE MaxSpec [®] Standard
10007261	(±)8(9)-EET MaxSpec [®] Standard
10007262	(±)11(12)-EET MaxSpec [®] Standard
10007223	(±)17-HDHA MaxSpec [®] Standard
10007243	5(S)-HETE MaxSpec [®] Standard
10007248	12(S)-HETE MaxSpec [®] Standard
24923	20-HETE-d ₆ MaxSpec [®] Standard

More Eicosanoids & Fatty Acids

Item No.	Product Name
24919	Arachidonic Acid-d ₁₁ MaxSpec [®] Standard
10007270	Arachidonoyl Ethanolamide MaxSpec [®] Standard
10007242	Leukotriene E ₄ MaxSpec [®] Standard
24936	Lipoxin A ₄ -d ₅ MaxSpec [®] Standard
10007237	Thromboxane B ₂ 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

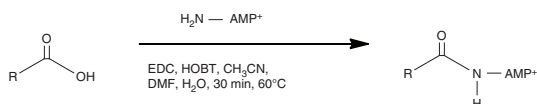
MaxSpec® Derivatization Kits

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

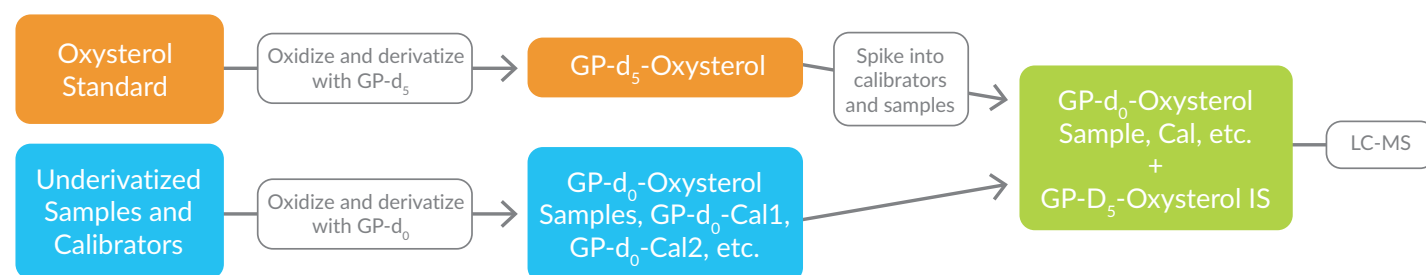
Oxysterol Derivatization MaxSpec® Kit

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



Workflow #4: Quantitative Analysis of Oxysterols

Targeted Lipidomics Profiling by Mass Spectrometry

We can run your samples for you! Partner with Cayman's scientists to develop and optimize methods for targeted mass spectrometry analysis of endogenous lipid biomarkers. A suite of targeted lipid panels is available for profiling eicosanoids and oxylipins, short-chain fatty acids, urinary prostaglandins, and more. We can also customize our standard lipid panels or develop a fit-for-purpose method for pre-clinical discovery, pharmacokinetics, and formulation applications.



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

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