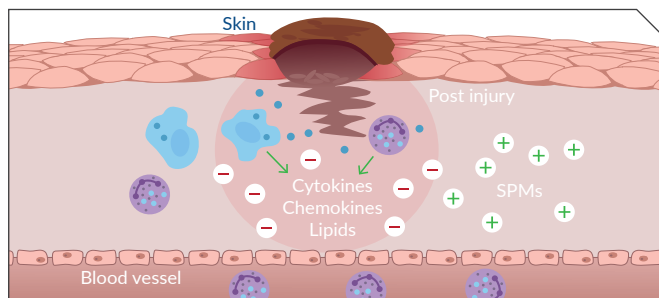


Specialized Pro-Resolving Mediators



Specialized pro-resolving mediators (SPMs) are an important group of signaling molecules derived from arachidonic acid, eicosapentaenoic acid, docosapentaenoic acid, and docosahexaenoic acid that is liberated during the inflammatory process. Studies have shown that resolvins, lipoxins, maresins, and protectins evoke responses that help to resolve an inflammatory episode. Cayman has synthesized an array of these key lipid mediators to aid in a better understanding of this process.



SPMs RESOLVE INFLAMMATORY RESPONSE AFTER INJURY/INFECTION

- + Lipoxins
- + Protectins
- + Maresins
- + E-, D-, and T-Series Resolvins

Request the SPM Pathway Wall Poster at www.caymanchem.com/Literature

Pro-Resolving Compounds

Resolvins

| Item No. | Product Name |
|----------|--|
| 10012554 | Resolvin D1 (MaxSpec® Standard Also Available) |
| 13060 | 17(R)-Resolvin D1 |
| 10007279 | Resolvin D2 |
| 11184 | Resolvin D2-d ₅ |
| 13834 | Resolvin D3 |
| 19512 | Resolvin D3-d ₅ |
| 9002686 | Resolvin D3 methyl ester |
| 13835 | Resolvin D4 |
| 10007280 | Resolvin D5 |
| 10007848 | Resolvin E1 |
| 10009854 | Resolvin E1-d ₄ |

Lipoxins, Maresins, and Protectins

| Item No. | Product Name |
|----------|---|
| 90410 | Lipoxin A ₄ (MaxSpec® Standard Also Available) |
| 10007737 | Lipoxin A ₄ -d ₅ (MaxSpec® Standard Also Available) |
| 90420 | Lipoxin B ₄ |
| 10878 | Maresin 1 |
| 16369 | Maresin 2 |
| 17007 | MCTR1 |
| 17008 | MCTR2 |
| 19067 | MCTR3 |
| 19064 | PCTR1 |
| 19065 | PCTR2 |
| 19066 | PCTR3 |

Common SPMs listed, more compounds including methyl ester and deuterated forms available online

MaxSpec® Standards

MAXIMIZE RESULTS

Cayman's line of ready-to-use, quantitative standards designed to simplify mass spectrometry workflows.

MaxSpec® Quality Guarantee

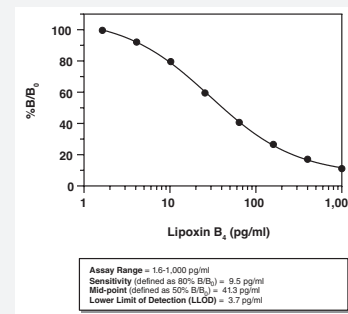
- ✓ Verified concentration
- ✓ LC-MS identity tested
- ✓ HPLC purity tested
- ✓ Ongoing stability testing

Now Available! Resolvin D1, Lipoxin A₄, Lipoxin A₄-d₅, Maresin 1-d₅, and 14(S)-HDHA

Sensitive, Accurate Quantification of Lipoxin B₄

Lipoxin B₄ ELISA Kit - Item No. 501920

- Detect LXB₄ in human plasma, serum, and urine
 - Assay 24 samples in triplicate or 36 samples in duplicate
 - Measure LXB₄ down to 9.5 pg/ml
 - **Incubation:** Overnight | **Development:** 60 minutes
- Read:** 414 nm



Additional Assay Kits

| Item No. | Product Name | Features |
|----------|----------------------------------|--|
| 601770 | Efferocytosis Assay Kit | <ul style="list-style-type: none"> • Study modulators of efferocytosis, apoptosis, pro-resolving mediators, and cross-presentation • Visualize effector (phagocytic) cells and bait (apoptotic) cells simultaneously • Contains CytoTell™ Blue and CFSE Dyes • Includes sufficient reagents to stain 5 x 10⁷ effector cells and 2 x 10⁸ bait cells |
| 590410 | Lipoxin A ₄ ELISA Kit | <ul style="list-style-type: none"> • Detect LXA₄ in multiple sample types • Assay 24 samples in triplicate or 36 samples in duplicate • Measure LXA₄ levels down to 52.4 pg/ml |
| 501150 | Maresin 1 ELISA Kit | <ul style="list-style-type: none"> • Detect MaR1 in human urine • Assay 24 samples in triplicate or 36 samples in duplicate • Measure MaR1 levels down to 6 pg/ml |
| 500380 | Resolvin D1 ELISA Kit | <ul style="list-style-type: none"> • Detect RvD1 in multiple sample types • Assay 24 samples in triplicate or 36 samples in duplicate • Measure RvD1 levels down to 15 pg/ml |
| 501120 | Resolvin D2 ELISA Kit | <ul style="list-style-type: none"> • Detect RvD2 in multiple sample types • Assay 24 samples in triplicate or 36 samples in duplicate • Measure RvD2 levels down to 10 pg/ml |

Enzymes

| Item No. | Product Name | Summary |
|----------|--|---|
| 60122 | COX-2 (human recombinant) | An N-terminal His-tagged enzyme expressed in Sf21 cells |
| 18356 | COX-2 (ovine recombinant) | A recombinant protein expressed in Sf21 cells |
| 60402 | 5-Lipoxygenase (human, recombinant) | A recombinant protein expressed in insect cells |
| 10341 | 12-Lipoxygenase (platelet-type, mouse recombinant) | An active C-terminal His-tagged protein expressed in insect cells |
| 10011263 | 15-Lipoxygenase-2 (human recombinant) | An active C-terminal His-tagged protein expressed in <i>E. coli</i> |
| 10011669 | Soluble Epoxide Hydrolase (human recombinant) | An active N-terminal His-tagged protein expressed in Sf21 cells |
| 10011670 | Soluble Epoxide Hydrolase (mouse recombinant) | An N-terminal His-tagged protein expressed in Sf21 cells |

LC-MS Mixtures

| Item No. | Product Name | Supplied As | Contains (100 ng/ml of each compound) |
|----------|----------------------------|-------------|--|
| 19412 | Lipoxin LC-MS Mixture | 1 ampule | Arachidonic Acid, Lipoxin A ₄ , 15(R)-Lipoxin A ₄ , Lipoxin B ₄ |
| 18702 | SPM D-series LC-MS Mixture | 1 ampule | Docosahexaenoic Acid, Resolvin D1, 17(R)-Resolvin D1, Resolvin D2, Resolvin D3, Resolvin D5 |
| 19417 | SPM E-series LC-MS Mixture | 1 ampule | Eicosapentaenoic Acid, (±)18-HEPE, Resolvin E1 |

View a complete list of our Specialized Pro-Resolving Mediators
at www.caymanchem.com

Distributed by:



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