

PRODUCT INFORMATION



Primary COX and LOX MaxSpec® LC-MS Mixture Item No. 19101

Purity: ≥97% for each compound
Supplied as: A solution in ethanol (1 µg/ml of each compound)
Fill volume: >1 ml
Storage: -20°C
Stability: ≥9 years

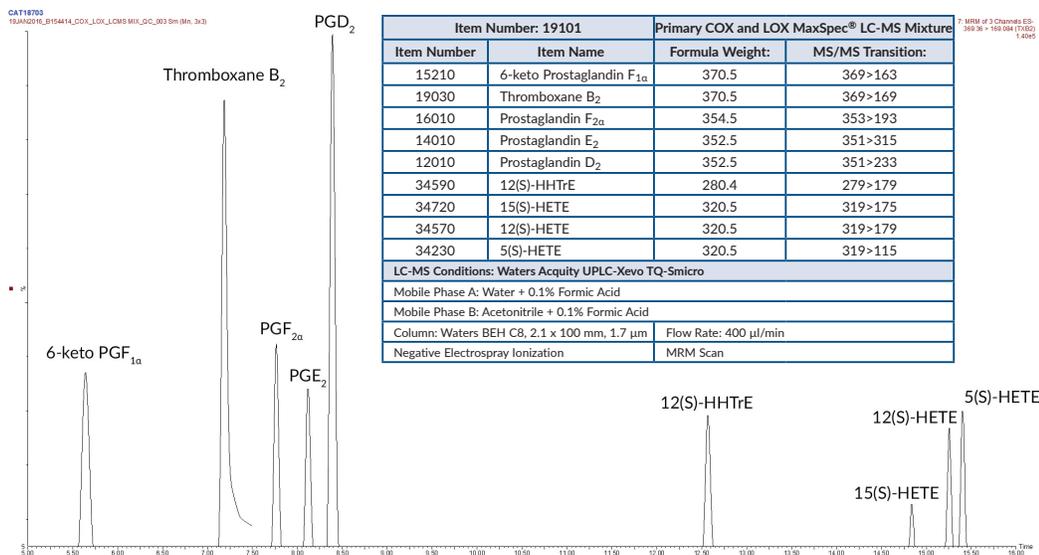
Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Description

This mixture contains selected eicosanoids produced by the metabolism of arachidonic acid via the cyclooxygenase and lipoxygenase pathways. The mixture is supplied in an amber ampule in which the headspace has been purged with argon to prevent lipid oxidation. This product has been designed for direct use in LC-MS applications. The solution may be serially diluted for preparation of calibrators and QC standards and/or used directly as a system suitability standard or tuning standard. It should be noted that the mixture contains isobaric analytes. After opening, we recommend that the mixture be transferred immediately to a 1 ml glass screw cap vial, to prevent solvent evaporation, and stored at -20°C. The mixture should be discarded after multiple freeze/thaw cycles.

The lipid mediators represented in this mixture are produced on demand by various cells and tissue types in response to external stimulation and act locally in an autocrine or paracrine manner. In the body, particularly with thromboxanes and prostaglandins, they are enzymatically converted to inactive metabolites and excreted in the urine. As a result, serum-free media from cultured cells and tissues will serve as the primary sample types for their analysis, although additional sample types could also be used.

Contents



WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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