



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRODUCT INFORMATION

Oxidative Stress LC-MS Mixture

Item No. 18701

Supplied as: A solution in ethanol (1 µg/ml of each compound)

Storage: -20°C

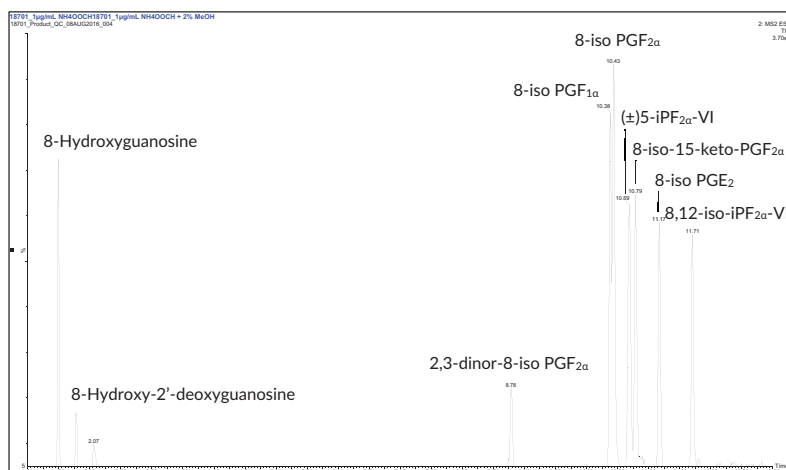
Stability: ≥5 years

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

Description and Contents

The oxidative stress LC-MS mixture is a mixture of lipids and nucleic acids produced during oxidative stress in biological systems. 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. 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 compounds in this mixture represent the major lipids and nucleic acids that can be detected in serum or urine following oxidative stress. They include the major accepted biomarkers for oxidative stress.



Item Number: 18701		Oxidative Stress LC-MS Mixture	
Item Number	Item Name	Formula Weight:	MS/MS Transition:
89300	8-Hydroxyguanosine	299.2	300>168
89320	8-Hydroxy-2'-deoxyguanosine	283.2	284>168
16290	2,3-dinor-8-iso Prostaglandin F _{2α}	326.4	325>237
15350	8-iso Prostaglandin F _{1α}	356.5	355>293
16350	8-iso Prostaglandin F _{2α}	354.5	353>193
16300	(±)5-iPF _{2α} -VI	354.5	353>115
16390	8-iso-15-keto Prostaglandin F _{2α}	352.5	351>289
14350	8-iso Prostaglandin E ₂	352.5	351>189
16310	8,12-iso-iPF _{2α} -VI	354.5	353>115

LC-MS Conditions:

Mobile Phase A: Water + 0.1% Formic Acid	
Mobile Phase B: Acetonitrile + 0.1% Formic Acid	
Column: Waters BEH C8, 2.1 x 100 mm, 1.7 µm	Flow Rate: 400 µl/min
0 - 2.0 Minutes: Positive Electrospray Ionization	Full (MS) Scan
2.0 - 13.0 Minutes: Negative Electrospray Ionization	Full (MS) Scan

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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