



# SZABO SCANDIC

Part of Europa Biosite

## 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



## Deuterated Primary Prostaglandin Metabolite LC-MS Mixture

Item No. 19304

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

**Storage:** -20°C

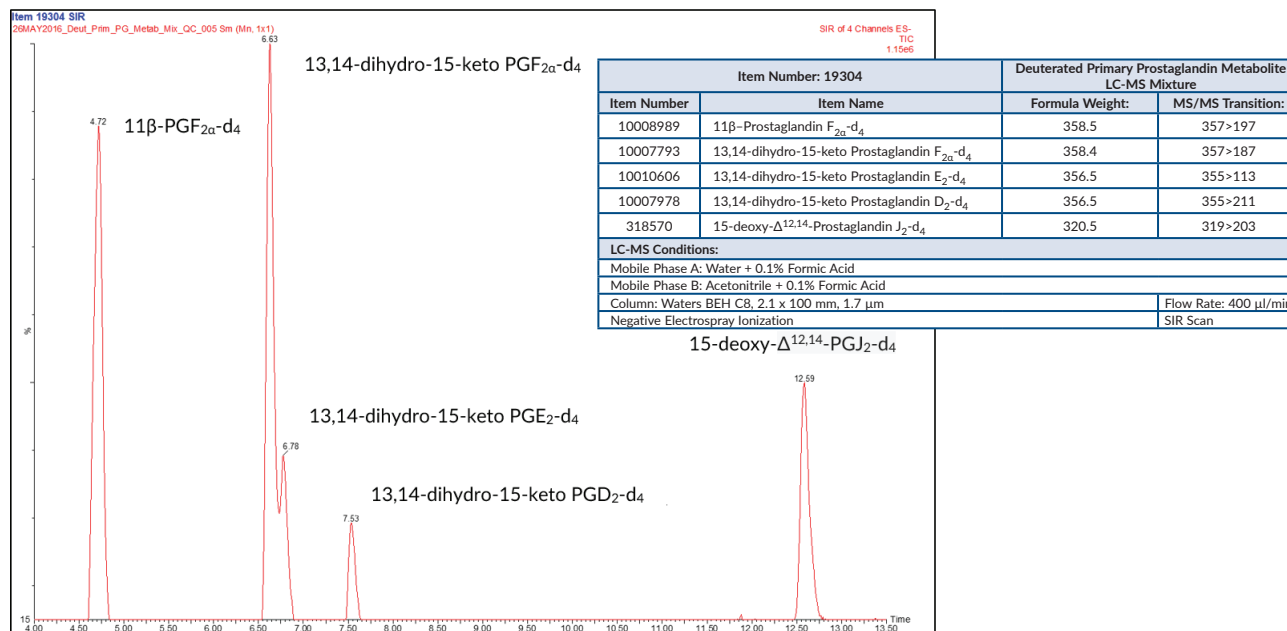
**Stability:** ≥5 years

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

### Description and Data

The deuterated primary prostaglandin metabolite LC-MS mixture contains deuterated forms of selected eicosanoids produced by the metabolism of arachidonic acid *via* the COX pathway. 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. This mixture is ideally suited for use as an internal standard in mass spectrometry applications. 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.

Prostaglandin (PG) D<sub>2</sub> (Item No. 12010), PGE<sub>2</sub> (Item No. 14010), and PGF<sub>2α</sub> (Item No. 16010) are metabolized rapidly by the 15-hydroxy PG dehydrogenase pathway, giving 13,14-dihydro-15-keto PGD<sub>2</sub> (Item No. 12610), 13,14-dihydro-15-keto PGE<sub>2</sub> (Item No. 14650), and 13,14-dihydro-15-keto PGF<sub>2α</sub> (Item No. 16670), respectively. PGD<sub>2</sub> is also metabolized to 11β-PGF<sub>2α</sub> (Item No. 16520) by 11-ketoreductase and non-enzymatically to 15-deoxy-Δ<sup>12,14</sup>-PGJ<sub>2</sub> (Item No. 18570). This mixture contains deuterated forms of these five metabolites.



**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**  
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