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## Product Data Sheet

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Product Name: tetranor-PGJM

Cat. No.: GC18921

**Chemical Properties**

Cas. No. 1352751-83-7

Chemical Name 8-((1R,2S)-2-(2-carboxyethyl)-5-oxocyclopent-3-en-1-yl)-6-oxooctanoic acid

SMILES O=C1C=C[C@H](CCC(O)=O)[C@H]1CCC(CCCCC(O)=O)=OFormula  $C_{16}H_{22}O_6$  M.Wt 310.3

Solubility DMF: 30 mg/ml, DMSO: 20 mg/ml, Ethanol: 30 mg/ml, PBS (pH 7.2): 1 mg/ml Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

Prostaglandin D2 (PGD2) plays a pharmacological role in allergic and asthmatic anaphylaxis, normal physiological sleep and lowering of body temperature, as well as inhibits platelet aggregation and relaxes vascular smooth muscle. tetranor-PGDM is an abundant urinary metabolite of PGD2 that is detectable both in human and mouse and, as such, is used as a biomarker of PGD2 biosynthesis. tetranor-PGJM is a potential PGD2 metabolite, formed by the elimination of the C-9 hydroxyl group. This compound may serve as a useful control in the analysis of PGD2 biosynthesis.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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