

Product Data Sheet

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)=O

Formula $C_{16}H_{22}O_6$ 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.

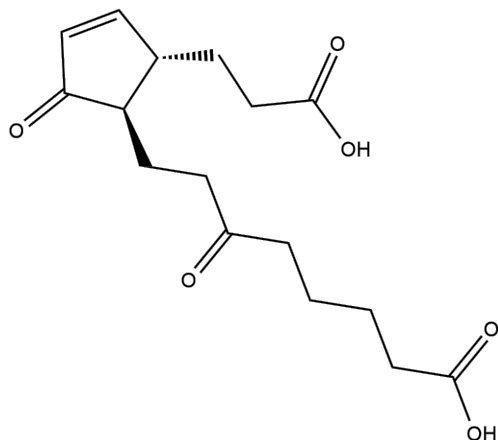
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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.

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