
Product Data Sheet

Product Name: Prostaglandin K2

Cat. No.: GC18753

Chemical Properties

Cas. No. 275816-51-8

Chemical Name 9,11-dioxo-15S-hydroxy-prosta-5Z,13E-dien-1-oic acid

SMILES O=C(C1)[C@H](C/C=C\CCCC(O)=O)[C@@H](/C=C/[C@@H](O)CCCC)C1=OFormula $C_{20}H_{30}O_5$ M.Wt 350.5

Solubility DMF: >100 mg/ml (from PGD2), DMSO: >50 mg/ml (from PGD2), Ethanol: >75 mg/ml (from PGD2), PBS pH 7.2: >2.7 mg/ml (from 15-deoxy-d12, Store Storage 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 K2 (PGK2) is the 9,11-diketone formed by the oxidation of PGE2 or PGD2. Whether this compound exists biologically is uncertain; it is known to be resistant to metabolism by 15-hydroxy PGDH in vitro.

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