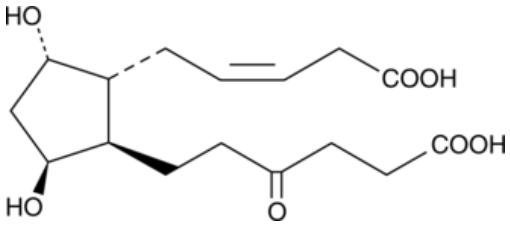
Product Data Sheet

Product Name: PGDM
Cat. No.: GC44614

Chemical Properties

Cas. No.	133161-96-3		
SMILES	O[C@@H]1[C@H](C/C=C\CC(O)=O)[C@@H](CCC(CCC(O)=O)=O)[C@@H](O)C1		
Formula	C16H24O7	M.Wt	328.4
Solubility	DMF: 50 mg/ml,DMSO: 50 mg/ml,Ethanol: 50 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. PGDM is a major urinary metabolite of PGD2 with a unique lower sidechain that readily undergoes reversible cyclization. It is used as a biomarker to assess endogenous production of PGD2.

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