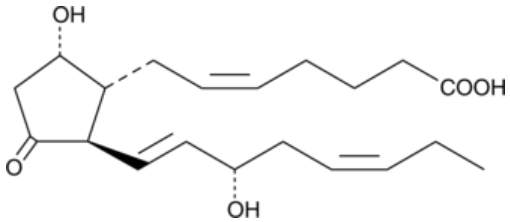
Product Data Sheet

Product Name: Prostaglandin D3
Cat. No.: GC40610

Chemical Properties

Cas. No.	71902-47-1		
SMILES	O[C@@H](C1)[C@H](C/C=C\CCCC(O)=O)[C@@H](/C=C/[C@@H](O)C/C=C\CC)C1=O		
Formula	C20H30O5	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: >5 mg/ml (from PGD2)	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 D3 (PGD3) is produced by the metabolism of EPA via the COX pathway. It is equipotent to PGD2 in decreasing systemic blood pressure in rats and in decreasing intraocular pressure in rabbits. However, it is 3-5 times more potent than PGD2 in the inhibition of ADP-induced human platelet aggregation.

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