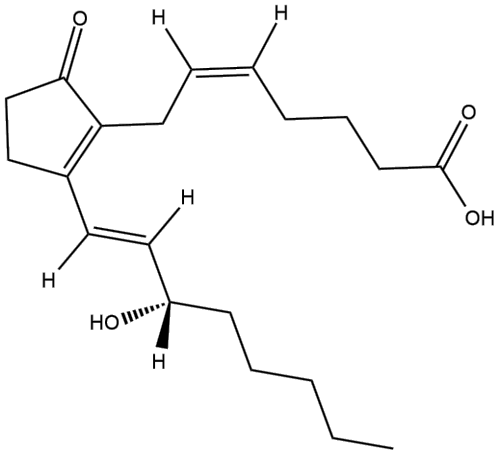
Product Data Sheet

Product Name: Prostaglandin B2
Cat. No.: GC18411

Chemical Properties

Cas. No.	13367-85-6		
Chemical Name	9-oxo-15S-hydroxy-prosta-5Z,8(12),13E-trien-1-oic acid		
SMILES	O=C1C(C/C=C\CCCC(O)=O)=C(/C=C/[C@@H](O)CCCCC)CC1		
Formula	$C_{20}H_{30}O_4$	M.Wt	334.5
Solubility	>50 mg/ml in DMSO, >75 mg/ml in DMF, >100 mg/ml in Ethanol	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 B2 (PGB2) is a non-enzymatic dehydration product resulting from the treatment of PGE2 or PGA2 with strong base. It has weak agonist activity on TP receptors and can increase

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pulmonary blood pressure in the rabbit at relatively high doses (5 ug/kg). [1]

Reference:

[1]. Liu, F., Orr, J.A., and Wu, J.Y. Prostaglandin B2-induced pulmonary hypertension is mediated by TXA2/PGH2 receptor stimulation. Journal of the American Physiological Society 1040, L602-L607 (1994).

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

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