

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\C(CCCC(O)=O)=C(/C=C/[C@@H](O)CCCC)CC1

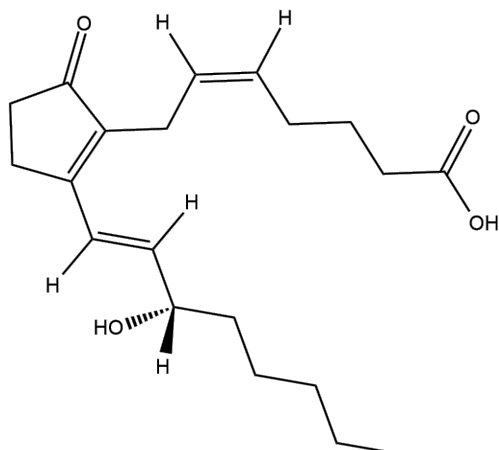
Formula $C_{20}H_{30}O_4$ M.Wt 334.5

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

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

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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).

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