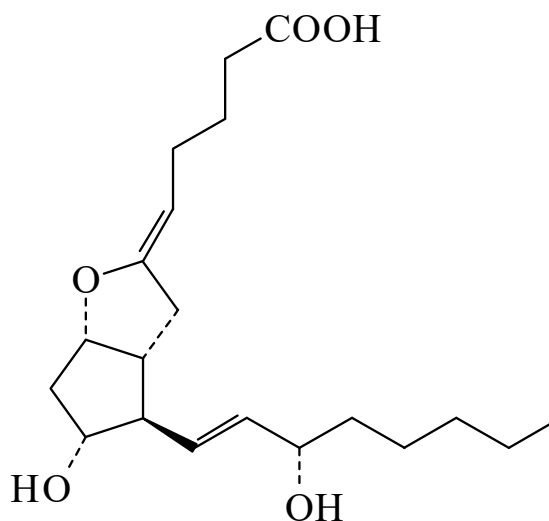




>>Entry Name: Prostacyclin

Synonym(s): 6,9-Epoxy-11,15-dihydroxy-5,13-prostadienoic acid. **Epoprostenol**, INN. Prostaglandin I₂. Prostaglandin X. PGI₂. PGX. U 53217



CAS Registry Number: 35121-78-9

Related CAS Registry Numbers(s): 65844-28-2

Molecular Formula: C₂₀H₃₂O₅

Molecular Weight: 352.47

Accurate Mass: 352.224975

Percentage Composition: C 68.15%; H 9.15%; O 22.70%

Use/Importance: Inhibits blood platelet aggregation and is a vasodilator

Calculated Log P Data: Log P 2.09 (calc)

Other Data: Stereoisomers also known

>>Derivative: Na salt

Synonym(s): Prostacyclin sodium. **Epoprostenol sodium**, BAN, USAN. Cyclo-Prostin. Flolan. U 53217A

CAS Registry Number: 61849-14-7

Physical Description: Hygroscopic

Development Status: Launched 1983

Melting Point: Mp 166-168° (block), 116-124° (capillary)

Optical Rotation: [α]_D +88 (c, 0.808 in CHCl₃)

Fluka: 82478

Sigma: P8776

>>Derivative: Me ester

CAS Registry Number: 61799-74-4

Melting Point: Mp 30-33°

Optical Rotation: [α]_D +78 (c, 0.882 in CHCl₃)

Sigma: P9814

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