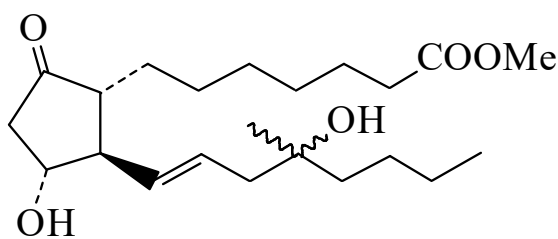




>>Entry Name: **Misoprostol**, BAN, INN, USAN

Synonym(s): Methyl 11,16-dihydroxy-16-methyl-9-oxoprost-13-enoate, 9CI. Methyl 7-[3-hydroxy-2-(4-hydroxy-4-methyl-1-octenyl)-5-oxocyclopentyl]heptanoate. Cyprostol. Cytotec. Napratec. Oxaprost. Symbol. SC-29333



CAS Registry Number: 59122-46-2

Related CAS Registry Numbers(s): 59122-49-5

Molecular Formula: C₂₂H₃₈O₅

Molecular Weight: 382.539

Accurate Mass: 382.271925

Percentage Composition: C 69.08%; H 10.01%; O 20.91%

Use/Importance: Cyclooxygenase inhibitor. Drug used for treatment of gastric ulcers, and as a prophylactic in nonsteroidal antiinflammatory drug-therapy

Development Status: Launched 1985

Calculated Log P Data: Log P 3.07 (calc)

Hazard & Toxicity: Human and exp. teratogen. Other reprod. effects reported in pregnant women (low doses). LD₅₀ (rat, orl) 81 mg/kg

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