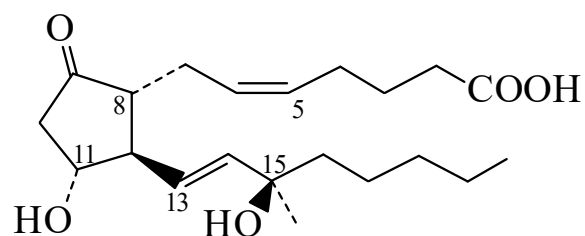




>>Entry Name: 11,15-Dihydroxy-15-methyl-9-oxo-5,13-prostadienoic acid, 9Cl



(5Z,11R,13E,15R)-form

Molecular Formula: C₂₁H₃₄O₅

Molecular Weight: 366.497

Accurate Mass: 366.240625

Percentage Composition: C 68.82%; H 9.35%; O 21.83%

Calculated Log P Data: Log P 2.17 (calc)

>>Variant: (5Z,11R,13E,15R)-form

Synonym(s): (15R)-Methyl-PGE₂. **Arbaprostil**, INN, USAN. Arbacet. U 42842

CAS Registry Number: 55028-70-1

Molecular Formula: C₂₁H₃₄O₅

Molecular Weight: 366.497

Accurate Mass: 366.240625

Percentage Composition: C 68.82%; H 9.35%; O 21.83%

Use/Importance: Gastric antisecretory and antiulcer agent

Hazard & Toxicity: Exp. reprod. effects (v. low dose)

>>Derivative: Me ester

CAS Registry Number: 39219-61-9

Physical Description: Oil

Optical Rotation: [α]_D -74 (c, 1.0 in CHCl₃)

>>Variant: (5Z,11R,13E,15S)-form

Synonym(s): (15S)-Methyl-PGE₂

CAS Registry Number: 35700-27-7

Molecular Formula: C₂₁H₃₄O₅

Molecular Weight: 366.497

Accurate Mass: 366.240625

Percentage Composition: C 68.82%; H 9.35%; O 21.83%

Use/Importance: Has vasodepressor activity

Hazard & Toxicity: Human reprod. effects (v. low dose)

>>Derivative: Me ester

CAS Registry Number: 36210-00-1

Use/Importance: Has vasodepressor activity

Physical Description: Oil

Optical Rotation: [α]_D -79 (c, 1.3 in CHCl₃)

Sigma: P6809

>>Variant: (5Z,8R,11R,12S,13E,15R)-form

Synonym(s): (15R)-Methyl-ent-PGE₂

Molecular Formula: C₂₁H₃₄O₅

Molecular Weight: 366.497

Accurate Mass: 366.240625

Percentage Composition: C 68.82%; H 9.35%; O 21.83%

>>Derivative: Me ester

CAS Registry Number: 53317-79-6

Physical Description: Oil

Optical Rotation: [α]_D +78 (c, 0.84 in CHCl₃)