



Melting Point: Mp 165-167°
Optical Rotation: $[\alpha]_D +72$ (c, 1 in MeOH)
Other Data: Gives 3-Glu, 1-Rha and 1-Xyl on hydrol.

>>Derivative: 3-Ac

Synonym(s): Acetylenoxolone. Acetoxolone

CAS Registry Number: 6277-14-1

Molecular Formula: C₃₂H₄₈O₅
Molecular Weight: 512.728
Accurate Mass: 512.350175
Percentage Composition: C 74.96%; H 9.44%; O 15.60%
Biological Source: Isol. from *Echinopora lamellosa*
Biological Use/Importance: Antiulcer agent
Melting Point: Mp 245°
Calculated Log P Data: Log P 7.19 (uncertain value) (calc)

>>Derivative: 3-Ac, Al salt (3:1)

Synonym(s): Acetylenoxolone aluminium. Almicet. Oriens

CAS Registry Number: 29728-34-5

Biological Use/Importance: Antiulcer and antiinflammatory agent
Melting Point: Mp 286-290°
Optical Rotation: $[\alpha]_D +126$ (CHCl₃)

Aldrich: 24370-1

>>Derivative: 3-Ac, (3-phenyl-2-propenyl) ester

Synonym(s): Cinoxolone, BAN, INN. BX 311

CAS Registry Number: 31581-02-9

Molecular Formula: C₄₁H₅₆O₅
Molecular Weight: 628.89
Accurate Mass: 628.412775
Percentage Composition: C 78.30%; H 8.97%; O 12.72%
Biological Use/Importance: Antiulcer agent
Melting Point: Mp 189-190°
Optical Rotation: $[\alpha]_D^{20} +154.2$ (CHCl₃)
Calculated Log P Data: Log P 9.78 (uncertain value) (calc)

>>Derivative: 3-(3-Carboxypropanoyl)

Synonym(s): Enoxolone hydrogen succinate. **Carbenoxolone**, BAN, INN. Biogastrone. Bioplex. Bioral. Duogastrone. Pyrogastrone. Many other names

CAS Registry Number: 5697-56-3

Molecular Formula: C₃₄H₅₀O₇
Molecular Weight: 570.765
Accurate Mass: 570.355655
Percentage Composition: C 71.55%; H 8.83%; O 19.62%
Biological Use/Importance: Used in treatment of gastric and peptic ulcers
Physical Description: Cream cryst.
Melting Point: Mp 291-294°
Optical Rotation: $[\alpha]_D^{20} +128$ (CHCl₃)
Calculated Log P Data: Log P 6.93 (calc)
Hazard & Toxicity: Human systemic effects when used therapeutically. LD₅₀ (rat, orl) 2450 mg/kg. Exp. reprod. effects

>>Derivative: 3-(3-Carboxypropanoyl), Na salt

Synonym(s): Carbenoxolone sodium, USAN

CAS Registry Number: 7421-40-1

Hazard & Toxicity: Water and electrolyte disturbances when used therapeutically. LD₅₀ (rat, orl) 2450 mg/kg

Sigma: C4790