



>>Derivative: K salt

Synonym(s): Potassium clavulanate, BAN. Clavulanate potassium, USAN. BRL 14151

CAS Registry Number: 61177-45-5

Hazard & Toxicity: LD₅₀ (rat, orl) 7936 mg/kg. Exp reprod. and teratogenic effects

>>Derivative: K salt, mixt. with Amoxicillin

Synonym(s): Augmentin‡. Augmentan. Augmentine. Amoxyplus. Betabactyl. Bremide. Clamoxyl. Claventin. Clavepen. Clavucar. Clavulin. Clavumox. Obumentin. Synulox. Timenten. Timentin. BRL 25000. Many other names

CAS Registry Number: 74469-00-4

Use/Importance: Antibiotic

Development Status: Marketed drug. Launched 1984. Worldwide 16th best selling prescription drug (\$1.85 bn) (GlaxoSmithKline) (2000, Pharma Business)

Hazard & Toxicity: LD₅₀ (mus, scu) 6433 mg/kg. Exp. reprod. effects

>>Derivative: Me ester

CAS Registry Number: 57943-82-5

Physical Description: Oil

Optical Rotation: $[\alpha]_D^{22} +38$ (c, 1 in MeOH)

>>Derivative: Benzyl ester

Molecular Formula: C₁₅H₁₅NO₅

Molecular Weight: 289.287

Percentage Composition: C 62.28%; H 5.23%; N 4.84%; O 27.65%

Physical Description: Oil

Optical Rotation: $[\alpha]_D^{20} +47$ (c, 1.21 in MeOH)

>>Derivative: *p*-Bromobenzyl ester

CAS Registry Number: 60297-60-1

Physical Description: Needles (CH₂Cl₂/petrol)

Melting Point: Mp 103-104°

Optical Rotation: $[\alpha]_D^{20} +57.8$ (c, 1 in CHCl₃)

>>Derivative: 3-Hydroxypropanoyl

CAS Registry Number: 64675-12-3

Molecular Formula: C₁₁H₁₃NO₇

Molecular Weight: 271.226

Accurate Mass: 271.069204

Percentage Composition: C 48.71%; H 4.83%; N 5.16%; O 41.29%

Biological Source: From *Streptomyces clavuligerus*

>>Derivative: Mixt. with Ticarcillin

Synonym(s): Timentin. Betabactyl

CAS Registry Number: 86482-18-0

Use/Importance: Antibiotic

Sigma: T3803

References: