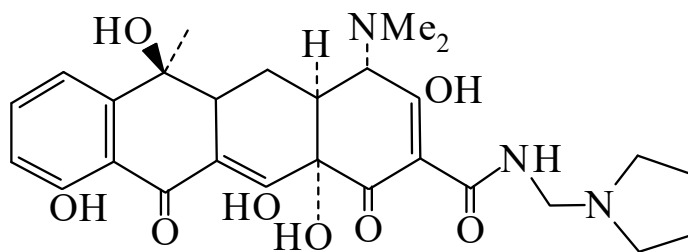




>>Entry Name: Rolitetracycline, BAN, INN, USAN

Synonym(s): 4-(Dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-N-(1-pyrrolidinylmethyl)-2-naphthacenecarboxylic acid, 9Cl. N-(1-Pyrrolidinylmethyl)tetracycline. Abricycline. Bristacin. Reverin. Syntetrin. Tetraverin. Velacycline



CAS Registry Number: 751-97-3

Related CAS Registry Numbers(s): 7681-32-5 26697-32-5

Molecular Formula: $C_{27}H_{33}N_3O_8$

Molecular Weight: 527.573

Accurate Mass: 527.226767

Percentage Composition: C 61.47%; H 6.30%; N 7.96%; O 24.26%

Source/Synthesis: Obt. from Tetracycline by a Mannich reaction

Biological Use/Importance: Clinically used antibiotic. Shows greater solubility than Tetracycline

Physical Description: Pale-yellow needles

Melting Point: Mp 162-165°

Calculated Log P Data: Log P -0.47 (uncertain value) (calc)

Hazard & Toxicity: Gastrointestinal and other adverse effects reported when used therapeutically. LD₅₀ (mus, orl) 1320 mg/kg. Exp. reprod. and teratogenic effects

Sigma: R2253

>>Derivative: Nitrate

Synonym(s): Pyrrocycline N. Tetrex PMT. Syntetrin nitrate

CAS Registry Number: 20685-78-3

Use/Importance: Clinically used deriv.

Physical Description: Cryst. + 6H₂O

Hazard & Toxicity: LD₅₀ (mus, orl) 3000 mg/kg

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