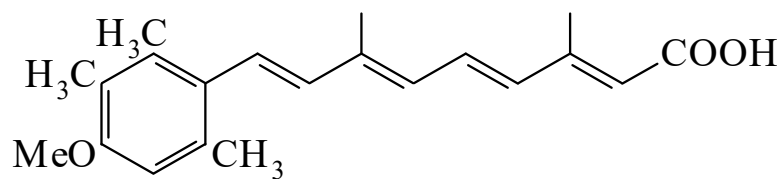




>>Entry Name: Acitretin, BAN, INN, USAN

Synonym(s): 9-(4-Methoxy-2,3,6-trimethylphenyl)-3,7-dimethyl-2,4,6,8-nonatetraenoic acid, 9Cl. Neotigason. Etrelin. Soriatane. Ro 10-1670



CAS Registry Number: 55079-83-9

Molecular Formula: C₂₁H₂₆O₃

Molecular Weight: 326.435

Accurate Mass: 326.188195

Percentage Composition: C 77.27%; H 8.03%; O 14.70%

Use/Importance: Used for treatment of psoriasis, antineoplastic agent active against epithelial tumours

Development Status: Launched 1989

Calculated Log P Data: Log P 6.07 (calc)

Hazard & Toxicity: Exp. reprod. and teratogenic effects

>>Variant: (*all-E*)-form

Molecular Formula: C₂₁H₂₆O₃

Molecular Weight: 326.435

Accurate Mass: 326.188195

Percentage Composition: C 77.27%; H 8.03%; O 14.70%

>>Derivative: Et ester

Synonym(s): Etretrate, BAN, INN, JAN, USAN. Ethyl 3-methoxy-15-apo- ϕ -caroten-15-ate. Tegison. Tigasan. Tigason. Ro 10-9359

CAS Registry Number: 54350-48-0

Molecular Formula: C₂₃H₃₀O₃

Molecular Weight: 354.488

Accurate Mass: 354.219495

Percentage Composition: C 77.93%; H 8.53%; O 13.54%

Use/Importance: Antipsoriatic, keratolytic agent

Melting Point: Mp 104-105°

Other Data: Several stereoisomers have been characterised spectroscopically

Hazard & Toxicity: Exp. reprod. and teratogenic effects

>>Variant: (2*Z*,4*E*,6*E*,8*E*)-form

Synonym(s): Isoetretin. Ro 13-7652. Isacitretin

CAS Registry Number: 69427-46-9

Molecular Formula: C₂₁H₂₆O₃

Molecular Weight: 326.435

Accurate Mass: 326.188195

Percentage Composition: C 77.27%; H 8.03%; O 14.70%

Use/Importance: Antipsoriatic

Physical Description: Orange cryst. (2-propanol)

Melting Point: Mp 171-173°

Calculated Log P Data: Log P 6.07 (calc)

References: