



LKT Laboratories, Inc.

Acitretin

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Product Information

Product ID A0933

CAS No. 55079-83-9

Chemical Name 9-(4-Methoxy-2,3,6-trimethylphenyl)-3,7-dimethylnona-2,4,6,8-tetraenoic acid

Synonym Neotigason, Soriatane

Formula C₂₁H₂₆O₃

Formula Wt. 326.43

Melting Point

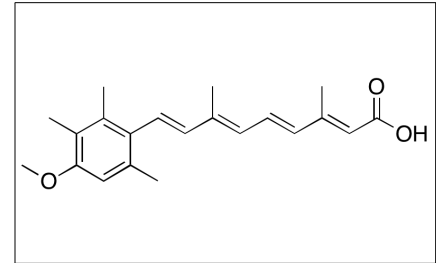
Purity ≥98%, multiple isomers

Solubility

Store Temp -20° C

Ship Temp Ambient

Description Acitretin is an orally bioavailable retinoid that displays anti-inflammatory activity and is used clinically to treat psoriasis. Acitretin is a metabolite of etretinate that displays more optimized pharmacokinetic parameters. This compound activates all retinoic acid receptor subtypes (RARα/B/γ) without binding the receptor itself and also increases cAMP-PKA binding in erythrocytes.



Bulk quantities available upon request

Product ID	Size
A0933	25 mg
A0933	100 mg
A0933	250 mg

References Niu X, Cao W, Ma H, et al. Acitretin exerted a greater influence on T-helper (Th)1 and Th17 than on Th2 cells in treatment of psoriasis vulgaris. *J Dermatol.* 2012 Nov;39(11):916-21. PMID: 22913391.

Saurat JH. Retinoids and psoriasis: novel issues in retinoid pharmacology and implications for psoriasis treatment. *J Am Acad Dermatol.* 1999 Sep;41(3 Pt 2):S2-6. PMID: 10459139.

Raynaud F, Gerbaud P, Bouloc A, et al. Rapid effect of treatment of psoriatic erythrocytes with the synthetic retinoid acitretin to increase 8-azido cyclic AMP binding to the RI regulatory subunit. *J Invest Dermatol.* 1993 Jan;100(1):77-81. PMID: 8380830.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.