

PANRETIN (alitretinoin 0.1% gel)

Effective Date: 1/28/14

Date Developed: 1/28/14 by Robert Sterling, MD

Last Approval Date: 1/26/16, 1/24/17, 1/23/18, 1/22/19, 2/18/20, 2/2/21,
8/3/21, 2/1/22, 1/31/23

Panretin is a naturally-occurring retinoid related to vitamin A that activates processes which regulate cell differentiation and proliferation in normal and neoplastic cells. It has been shown to inhibit the growth of Kaposi's sarcoma cells in vitro.

Authorization: for topical treatment of cutaneous Kaposi's sarcoma lesions who do not qualify for systemic treatment (e.g. no visceral/pulmonary involvement; ~~no~~ → <10 new cutaneous lesions in the past month),

NOTE: Alitretinoin (topical) may be confused with tretinoin (topical)

Dosing: apply two times a day, gradually increasing to four times a day if necessary; avoid normal skin and mucosal surfaces; avoid occlusive dressings

PRECAUTIONS: photosensitivity; irritation to normal skin; extreme reaction of the lesions (pain, exfoliation, paresthesias)

DRUG INTERACTIONS: concomitant use of DEET-containing preparations (increased DEET toxicity)

REFERENCES

Walmsley S, Northfelt DW, Melosky B, et al. Treatment of AIDS-related cutaneous kaposi sarcoma with topical alitretinoin (9-cis-retinoic acid) J Acquir Immune Defic Syndr. 1999;22(3):235–246.

Duvic M, Friedman-Kien AE, Looney DJ, et al. Topical treatment of cutaneous lesions of acquired immunodeficiency syndrome-related kaposi sarcoma using alitretinoin gel. Results of phase 1 and 2 trials. Arch Dermatol. 2000;136(12):1461–1469.

Miles SA, Dezube BJ, Lee JY, et al. Antitumor activity of oral 9-cis-retinoic acid in HIV-associated kaposi's sarcoma. AIDS. 2002;16(3):421–429.

Bodsworth NJ, Bloch M, Bower M, Donnell D, Yocum R. for The International Panretin® Gel KS study group. Phase III vehicle-controlled, multi-centered study of topical alitretinoin gel 0.1% in cutaneous AIDS-related kaposi's sarcoma. Am J Clin Dermatol. 2001;2(2):77–87. Cheng C, Michaels J, Scheinfeld N. Alitretinoin: a comprehensive review. Expert Opin Investig Drugs. 2008;17(3):437–443.

Panretin (alitretinoin) [prescribing information]. San Antonio, TX: DPT Laboratories, Ltd; received September 2019.

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Revision Date	Content Revised (Yes/No)	Contributors	Review/Revision Notes
1/24/17	No	Catherine Sanders, MD; Robert Sterling, MD	Annual review
1/23/18	No	Catherine Sanders, MD; Robert Sterling, MD	Annual review
1/22/19	No	Catherine Sanders, MD; Robert Sterling, MD	Annual review
2/18/20	No	Howard Taekman, MD; Robert Sterling, MD	Annual review
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8/3/21	Yes	Howard Taekman, MD; Robert Sterling, MD	Updated drug interactions and references. Formatting changes
2/1/22	No	Howard Taekman, MD; Robert Sterling, MD	Annual review
1/31/23	No	Howard Taekman, MD; Robert Sterling, MD	Annual review