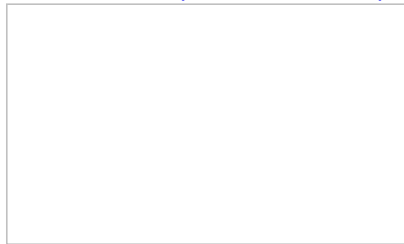


Imiquimod

Printed from <https://www.cancerquest.org/patients/drug-reference/imiquimod> on 01/12/2025



Brand name: Aldara®

IUPAC: 3-(2-methylpropyl)-3,5,8-triazatricyclo[7.4.0.0^{2,6}]trideca-1(9),2(6),4,7,10,12-hexaen-7-amine

FDA approval: Yes

[Manufacturer Link](#)

Usage:

Imiquimod is supplied as a cream and applied externally to lesions. Conditions for which imiquimod is used include Superficial Basal Cell Carcinoma (BCC), Actinic Keratosis, External genital warts. Imiquimod is currently under investigation (in humans) for its effectiveness in treating other skin cancers, including melanoma.¹

- ¹Imiquimod Topical. MedlinePlus. <https://medlineplus.gov/druginfo/meds/a698010.html>

Mechanism:

Imiquimod's (Aldara®) anti-cancer properties result from its ability to stimulate the body's own defenses (immune system) to destroy cancer cells. ¹

The structure below is the 3D conformer Imiquimod.

- ¹Schon M, Schon MP. "The antitumoral mode of action of imiquimod and other imidazoquinolines." 2007. Current Medical Chemistry 14(6):681-687 [PUBMED]

Side effects:

Common side effects include redness, itching or burning at site of application, swelling or flaking of skin, headache, back pain and tiredness.¹

- ¹Imiquimod Topical. MedlinePlus. <https://medlineplus.gov/druginfo/meds/a698010.html>