Imiquimod

TLR7 ligand

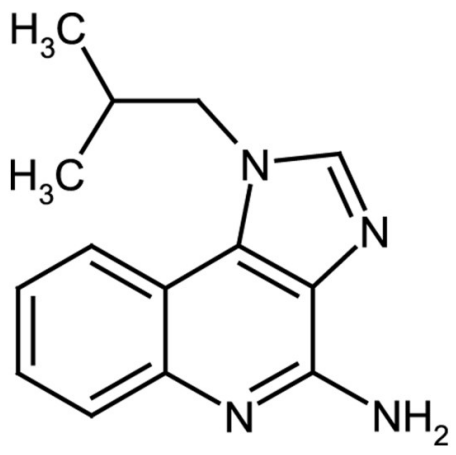
Topical immune response modifier that inhibits angiogenesis. Up-regulates IL-18 and down-regulates MMP-9 through recognition of Toll-like receptor 7 (TLR7) and subsequent activation of MyD88-dependent pathway.

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Ordering Information Order Online »

ALX-420-039-M100	100mg
ALX-420-039-M250	250mg

Manuals, SDS & CofA View Online »

H3C
H3C
N
N
N
NH2

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for up to 1 year after receipt when stored at -20°C. Stock solutions are stable for up to 3 months when stored at -20°C.
Handling	After reconstitution, prepare aliquots and store at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	1-(2-Methylpropyl)-1H-imidazo[4,5-c]quinolin-4-amine, R-837
Appearance	White to off-white powder.
CAS	99011-02-6
Couple Target	TLR, TLR7
Couple Type	Ligand
Formula	$C_{14}H_{16}N_4$
MW	240.3
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (3mg/ml) or dimethyl formamide; slightly soluble in water (warm to 37°C, vortex); insoluble in 100% ethanol.
Technical Info / Product Notes	Stimulation of TLR7 can be achieved with 1-10µg/ml of the compound for 6 to 24 hours.

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