



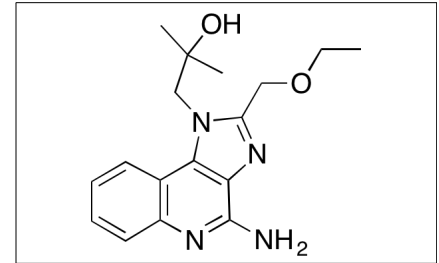
LKT Laboratories, Inc.

Resiquimod

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Product Information

Product ID R183731
CAS No. 144875-48-9
Chemical Name 1-[4-amino-2-(ethoxymethyl)imidazo[4,5-c]quinolin-1-yl]-2-methylpropan-2-ol
Synonym R-848, R848, S28463, alpha-dimethyl-1H-imidazo(4,5-c)quinoline-1-ethanol.
Formula C₁₇H₂₂N₄O₂
Formula Wt. 314.39
Melting Point
Purity ≥98%
Solubility Soluble in DMSO (100 mM), ethanol (50 mM), 100% or 5% methanol, and dichloromethane. Insoluble in water.
Store Temp -20° C
Ship Temp Ambient



Bulk quantities available upon request

Product ID	Size
R183731	5 mg
R183731	10 mg
R183731	25 mg
R183731	50 mg

Description Resiquimod is an imidazoquinoline compound that is a TLR7/8 agonist. Resiquimod has been shown to activate dendritic cells in both healthy and inflamed skin, making it effective to induce regression of cutaneous T-cell lymphoma lesions. BALB/c mice treated with resiquimod showed high levels of resistance against parasitic infection. Furthermore, resiquimod has been shown to produce cardioprotective effects in anoxia-regeneration injuries of neonatal cardiomyocytes.

References Rook AH, Gelfand JM, Wysocka M, et al. Topical resiquimod can induce disease regression and enhance T-cell effector functions in cutaneous T-cell lymphoma. *Blood*. 2015 Sep 17;126(12):1452-1461. PMID: 26228486.

Craft N, Birnbaum R, Quanquin N, et al. Topical resiquimod protects against visceral infection with *Leishmania infantum* chagasi in mice. *Clin Vaccine Immunol*. 2014 Sep;21(9):1314-1322. PMID: 25030052.

Wang YY, Liu S, Lian F, et al. Toll-like receptor 7/8 agonist resiquimod induces late preconditioning in neonatal cardiac myocytes. *Acta Pharmacol Sin*. 2011 May;32(5):565-572. PMID: 21516132.

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