

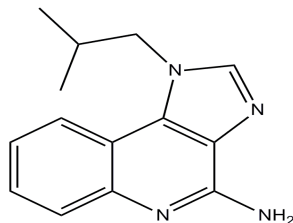
Imiquimod

ALTERNATE NAME: 1-(2-Methylpropyl)-1H-imidazo[4,5-c]quinolin-4-amine; R-837

CATALOG #: 1698-100, 500

AMOUNT: 100 mg, 500 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₄H₁₆N₄

MOLECULAR WEIGHT: 240.30

CAS NUMBER: 99011-02-6

APPEARANCE: White to off-white powder

SOLUBILITY: DMSO

PURITY: >95% by HPLC

STORAGE: Store at -20°C.

DESCRIPTION: Cell-permeable. Topical immune response modifier that displays anti-angiogenic, anti-viral and anti-inflammatory properties. Up-regulates IL-18 and down-regulates MMP-9 through recognition of Toll-like receptor 7 (TLR7) and subsequent activation of MyD88-dependent pathway.

REFERENCES: Hemmi, H., *et al.* (2002). *Nat. Immunol.* **3**, 196-200.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Gardiquimod (**Cat. No. 1996-5, 25**)

Imiquimod (**Cat. No. 1698-100**)

Loxoribine (**Cat. No. 2003-5, 25**)

Pam3Cys-Ser(Lys)₄, TriHCl (**Cat. No. 1700-100**)

Resiquimod (**Cat. No. 1699-5**)

TLR1 Antibody (**Cat. No. 3446-100**)

TLR2 Antibody (**Cat. No. 3552R-100**)

TLR2 Antibody (Clone BV31-9)(**Cat. No. 3569-100**)

TLR3 Antibody (**Cat. No. 3445R-100**)

TLR4 Antibody (**Cat. No. 3251-100**)

TLR4 Antibody (**Cat. No. 3253-100**)

TLR5 Antibody (**Cat. No. 3555R-100**)

TLR7 Antibody (**Cat. No. 3557-100**)

TLR8 Antibody (Clone 44B05) (**Cat. No. 3558-100**)

TLR8 Antibody (**Cat. No. 3558R-100**)

TLR9 Antibody (**Cat. No. 3559R-100**)

TLR10 Antibody (**Cat. No. 3932-100**)

TLR11 Antibody (**Cat. No. 3931-100**)

FOR RESEARCH USE ONLY! Not to be used in humans.