

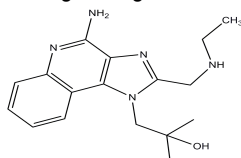
**PRODUCT: Gardiquimod**

**ALTERNATE NAME:** 1-(4-Amino-2-ethylaminomethylimidazo[4,5-c]quinolin-1-yl)-2-methylpropan-2-ol

**CATALOG #:** 2002-5, 25

**AMOUNT:** 5 mg, 25 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>17</sub>H<sub>23</sub>N<sub>5</sub>O

**MOLECULAR WEIGHT:** 313.40

**CAS NUMBER:** 1020412-43-4

**APPEARANCE:** White solid

**SOLUBILITY:** DMSO (>40 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at -20 °C. Protect from light.

**DESCRIPTION:** A selective ligand for human or mouse Toll-like receptor 7 (TLR7). Induces the activation of NF-κB in HEK 293 cells expressing TLR7. Activates TLR8 only at high concentrations (3μg/ml). Gardiquimod is more active than Imiquimod (Cat. No. 1698-100).

**REFERENCE:** Ma, F., *et al.* (2010). *Cell Mol Immunol.* **7**, 381-388.

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

**RELATED PRODUCTS:**

- Imiquimod (Cat. No. 1698-100)
- Pam3Cys-Ser(Lys)<sub>4</sub>, 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)

**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**