

## 15-1010: Imiquimod, TLR7 ligand (4-Amino-1-isobutyl-1H-imidazo (4,5-c) quinoline)

**Application :** Functional Assay

### Description

#### Product Specifications:

**Formula:** C<sub>14</sub>H<sub>16</sub>N<sub>4</sub>

**CAS#** 99011-02-6

Identity: Determined by IR.

Appearance: White to off-white powder.

Solubility: Soluble in DMSO or dimethylformamide. Insoluble in ethanol. Slightly soluble in water.

### Product Info

**Amount :** 1 mg / 5 mg

**Purification :** Purity: ≥98%

**Content :** 5 mg/ml in DMSO

**Storage condition :** Stable for 2 years in compound form and Stock solutions are stable for 3 months at -20°C. Can be stored at 4°C for short term.

### Application Note

Immune response modulator, Anti-inflammatory, TLR7 agonist, Stimulates proinflammatory cytokine production interferon-α (IFN-α), interleukin-6 (IL-6) and tumor necrosis factor-α (TNF-α) and activates NF-κB, Caspase-3 activator that directly induces procaspase-3 cleavage, Anti-cancer compound

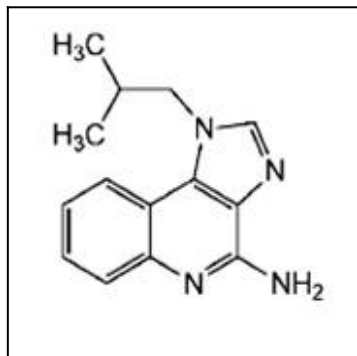


Fig-1: Structure of Imiquimod, TLR7 ligand (4-Amino-1-isobutyl-1H-imidazo (4,5-c) quinoline)