

# Imiquimod (maleate)

Catalog No: tcsc2060



## Available Sizes

**Size:** 100mg

**Size:** 200mg

**Size:** 500mg



## Specifications

**CAS No:**

896106-16-4

**Formula:**

$C_{18}H_{20}N_4O_4$

**Pathway:**

Autophagy;Immunology/Inflammation

**Target:**

Autophagy;Toll-like Receptor (TLR)

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Alternative Names:**

R 837 maleate

**Observed Molecular Weight:**

356.38

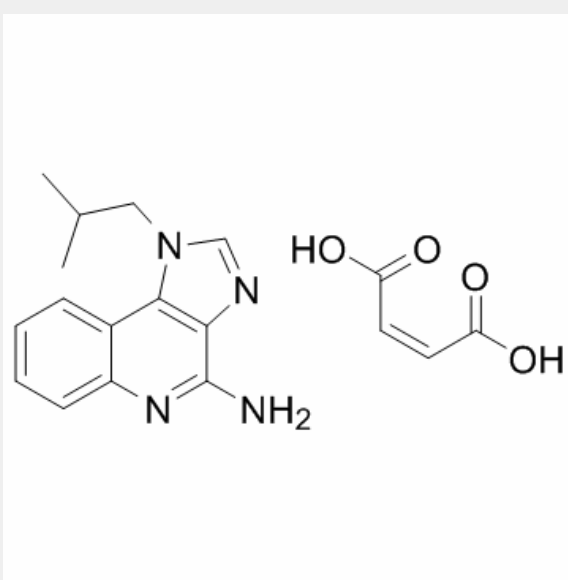
## Product Description

Imiquimod maleate is an immune response modifier that acts as a **toll-like receptor 7** agonist.

IC50 & Target: Toll-like receptor 7

***In Vivo:*** In animal models, imiquimod stimulates the innate immune response by increasing NK cell activity, activating macrophages to secrete

cytokines and nitric oxide, and inducing proliferation and differentiation of B lymphocytes. Imiquimod stimulates the innate immune response through induction, synthesis, and release of cytokines, including interferon- $\alpha$  (IFN- $\alpha$ ), interleukin (IL)-6, and tumour necrosis factor (TNF)- $\alpha$ <sup>[1]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!