

Imiquimod (hydrochloride)

Catalog No: tcsc2059



Available Sizes

Size: 100mg

Size: 200mg

Size: 500mg



Specifications

CAS No:

99011-78-6

Formula:

$C_{14}H_{17}ClN_4$

Pathway:

Autophagy;Immunology/Inflammation

Target:

Autophagy;Toll-like Receptor (TLR)

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

R 837 hydrochloride

Observed Molecular Weight:

276.76

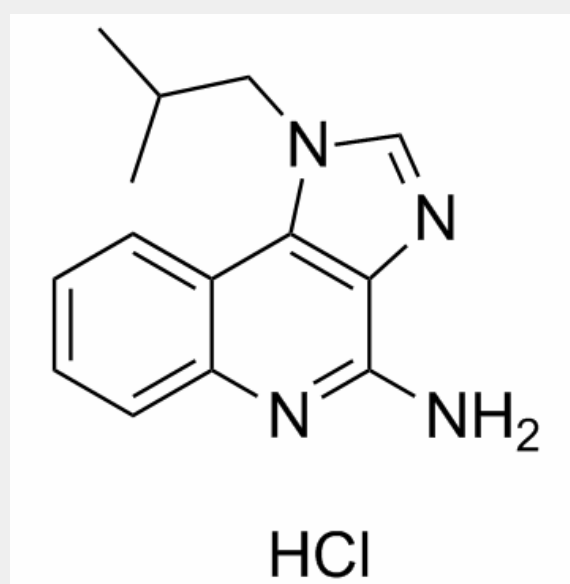
Product Description

Imiquimod hydrochloride 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- α (IFN- α), interleukin (IL)-6, and tumour necrosis factor (TNF)- α ^[1].



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