

CL075

Cat. No. LIGC-007

Lot. No. (See product label)

Introduction

Description CL075 is a thiazoloquinolone derivative that stimulates TLR8 in human peripheral blood mononuclear cells. It activates NF- κ B and triggers preferentially the production of TNF- α and IL-12. CL075 seems also to induce the secretion of IFN- α through TLR7 but to a lesser extent. It induces the activation of NF- κ B at 0.4 μ M (0.1 μ g/ml) in TLR8-transfected HEK293 cells, and ~ 10 times more CL075 is required to activate NF- κ B in TLR7-transfected HEK293 cells.

Product Information

Appearance	Yellow lyophilized powder
Molecular Formula	C ₁₃ H ₁₃ N ₃ S
Molecular Weight	243.33
Concentration	Working Concentration: 0.1 - 5 μ g/ml CL075 for human TLR8 and mouse TLR7 0.5 - 5 μ g/ml CL075 for human TLR7
Specificity	human TLR7/8 and mouse TLR7 agonist
Solubility	1 mg/ml in water
Endotoxin Level	<0.001 EU/ μ g

Storage and Shipping Information

Storage	Store at -20°C.
Stability	Lyophilized product is stable 1 year at -20°C when properly stored. Resuspended CL075 should be aliquoted and stored at -20°C. Resuspended product is stable 6 months at -20°C. Avoid repeated freeze-thaw cycles.