

MMG-11 quarterhydrate

Chemical Properties

CAS No. :

Formula: C₁₅H₁₆O₈

Molecular Weight: 310.78

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	MMG-11 quarterhydrate is a potent and selective antagonist of human TLR2, inhibiting both TLR2/1 and TLR2/6 signaling with low cytotoxicity. The IC ₅₀ values for Pam3CSK4-induced hTLR2/1 and Pam2CSK4-induced hTLR2/6 responses are 1.7 μM and 5.7 μM, respectively [1].
Targets(IC ₅₀)	Others,TLR
In vitro	MMG-11 does not exhibit cellular toxicity or interfere with signaling induced by other TLR agonists, IL-1β, or TNF. In concentrations ranging from 0.01 to 100 μM, MMG-11 shows no cytotoxic effects on peripheral blood mononuclear cells (PBMCs) [1]. [1] Cell Cytotoxicity Assay: Cell Line: PBMCs, Concentration: 0.01, 1, 10, 100 μM, Incubation Time: Result: No cytotoxic effects up to 100 μM.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2177 mL	16.0886 mL	32.1771 mL
5 mM	0.6435 mL	3.2177 mL	6.4354 mL
10 mM	0.3218 mL	1.6089 mL	3.2177 mL
50 mM	0.0644 mL	0.3218 mL	0.6435 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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