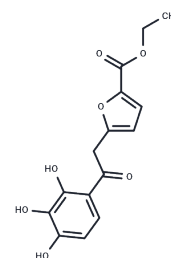


MMG-11

Chemical Properties

CAS No. :	313254-94-3
Formula:	C ₁₅ H ₁₄ O ₇
Molecular Weight:	306.27
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 inhibits both TLR2/1 and TLR2/6 signaling (IC ₅₀ s: 1.7 μM for Pam3CSK4-induced hTLR2/1 and 5.7 μM for Pam2CSK4-induced hTLR2/6 responses). MMG-11 is an effective and selective human TLR2 antagonist with low cytotoxicity.
Targets(IC ₅₀)	Others,TLR
In vitro	MMG-11 (0.01-100?μM) shows no cytotoxic effects up to 100?μM in peripheral blood mononuclear cells (PBMCs). MMG-11 neither displays cellular toxicity nor interference with signaling induced by other TLR agonists, IL-1β, or TNF .

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2651 mL	16.3255 mL	32.6509 mL
5 mM	0.653 mL	3.2651 mL	6.5302 mL
10 mM	0.3265 mL	1.6325 mL	3.2651 mL
50 mM	0.0653 mL	0.3265 mL	0.653 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.

Reference

Grabowski M, et al. Identification of a pyrogallol derivative as a potent and selective human TLR2 antagonist by structure-based virtual screening. *Biochem Pharmacol.* 2018 Aug;154:148-160.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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