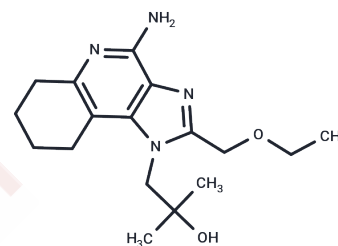


3M-003

Chemical Properties

CAS No. : 162397-26-4
 Formula: C17H26N4O2
 Molecular Weight: 318.41
 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	3M-003 interacts with Toll-like receptor-7 (TLR-7) and TLR-8. 3M-003 acts directly on macrophages to enhance fungal killing and stimulates PBMC to produce soluble factors that enhance killing by neutrophils, macrophages, and monocytes. 3M-003 could be a candidate for antifungal immunotherapy.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1406 mL	15.703 mL	31.406 mL
5 mM	0.6281 mL	3.1406 mL	6.2812 mL
10 mM	0.3141 mL	1.5703 mL	3.1406 mL
50 mM	0.0628 mL	0.3141 mL	0.6281 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

Brummer E, et al. Effect of 3M-003, an imidazoquinoline, on phagocyte candidacidal activity directly and via induction of peripheral blood mononuclear cell cytokines. *FEMS Immunol Med Microbiol.* 2010 Jun 1;59(1):81-9.
 Hanten JA, Vasilakos JP, Riter CL, Neys L, Lipson KE, Alkan SS, Birmachu W. Comparison of human B cell activation by TLR7 and TLR9 agonists. *BMC Immunol.* 2008 Jul 24;9:39. doi: 10.1186/1471-2172-9-39. PubMed PMID: 18652679; PubMed Central PMCID: PMC2503978.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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