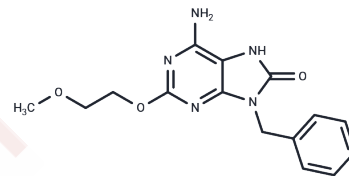


SM360320

Chemical Properties

CAS No. : 226907-52-4
 Formula: C₁₅H₁₇N₅O₃
 Molecular Weight: 315.33
 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	SM360320 (CL-087) is an effective and selective agonist of TLR7. SM360320 inhibits HCV replication in hepatocytes via a type I IFN-independent mechanism in addition to its IFN-mediated activity. SM360320 can be used for research on acting as an immunological adjuv
Targets(IC50)	TLR

Solubility Information

Solubility	DMSO: 120 mg/mL (380.55 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1713 mL	15.8564 mL	31.7128 mL
5 mM	0.6343 mL	3.1713 mL	6.3426 mL
10 mM	0.3171 mL	1.5856 mL	3.1713 mL
50 mM	0.0634 mL	0.3171 mL	0.6343 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

- Hayashi T, et al. Treatment of autoimmune inflammation by a TLR7 ligand regulating the innate immune system. PLoS One. 2012;7(9):e45860.
- Leroy V, et al. Sgp3 and TLR7 stimulation differentially alter the expression profile of modified polytropic retroviruses implicated in murine systemic lupus. J Autoimmun. 2012 Jun;38(4):361-8.
- Russo C, et al. Small molecule Toll-like receptor 7 agonists localize to the MHC class II loading compartment of human plasmacytoid dendritic cells. Blood. 2011 May 26;117(21):5683-91.
- Lee J, et al. Activation of anti-hepatitis C virus responses via Toll-like receptor 7. Proc Natl Acad Sci U S A. 2006;103(6):1828-1833.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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