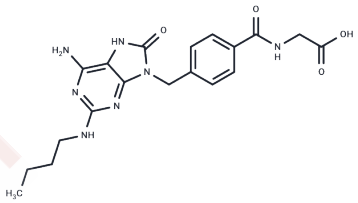
Data Sheet (Cat.No.T10833)

CL264

Chemical Properties



CAS No. : 1510712-69-2

Formula: C19H23N7O4

Molecular Weight: 413.43

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	CL264, a selective agonist of TLR7, can be used in studies about innate immune signals.
Targets(IC50)	TLR

Solubility Information

Solubility	DMSO: 20.83 mg/mL (50.38 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (6.05 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4188 mL	12.0939 mL	24.1879 mL
5 mM	0.4838 mL	2.4188 mL	4.8376 mL
10 mM	0.2419 mL	1.2094 mL	2.4188 mL
50 mM	0.0484 mL	0.2419 mL	0.4838 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

Butterfield JSS, et al. TLR9-Activating CpG-B ODN but Not TLR7 Agonists Triggers Antibody Formation to Factor IX in Muscle Gene Transfer. Hum Gene Ther Methods. 2019 Jun;30(3):81-92.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481