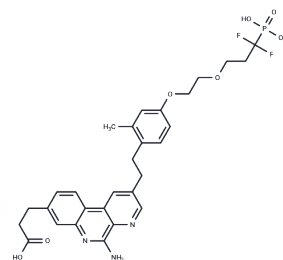


LHC-165

## Chemical Properties

CAS No. : 1258595-14-0  
 Formula: C<sub>29</sub>H<sub>32</sub>F<sub>2</sub>N<sub>3</sub>O<sub>7</sub>P  
 Molecular Weight: 603.55  
 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	LHC-165 is an agonist of TLR7. It also has the potential to treat solid tumors.
Targets(IC50)	TLR

## Solubility Information

Solubility	1M NaOH: 50 mg/mL (82.84 mM), when pH is adjusted to 12 with NaOH. 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	1.6569 mL	8.2843 mL	16.5686 mL
5 mM	0.3314 mL	1.6569 mL	3.3137 mL
10 mM	0.1657 mL	0.8284 mL	1.6569 mL
50 mM	0.0331 mL	0.1657 mL	0.3314 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

Carole Bourquin, et al. Harnessing the immune system to fight cancer with Toll-like receptor and RIG-I-like receptor agonists. Pharmacological Research. 2019 Mar.  
 LHC165.

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