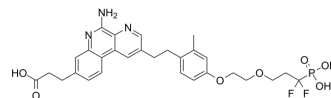


## LHC-165

<b>Cat. No.:</b>	HY-111786
<b>CAS No.:</b>	1258595-14-0
<b>Molecular Formula:</b>	C <sub>29</sub> H <sub>32</sub> F <sub>2</sub> N <sub>3</sub> O <sub>7</sub> P
<b>Molecular Weight:</b>	603.55
<b>Target:</b>	Toll-like Receptor (TLR)
<b>Pathway:</b>	Immunology/Inflammation
<b>Storage:</b>	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vitro

1M NaOH : 50 mg/mL (82.84 mM; ultrasonic and adjust pH to 12 with NaOH)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

LHC-165 is a TLR7 agonist. LHC-165 has potential to used in study of solid tumors<sup>[1][2]</sup>.

#### IC<sub>50</sub> & Target

TLR7

### REFERENCES

[1]. 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.

[2]. LHC165.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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