

RS09 2TFA (1449566-36-2 free base)

## Chemical Properties

CAS No. :

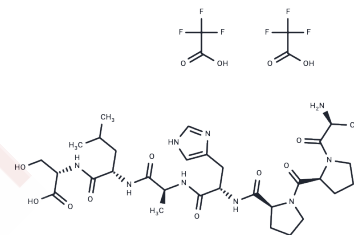
Formula: C35H51F6N9O13

Molecular Weight: 919.82

Keep away from moisture

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	RS09 2TFA (1449566-36-2 free base) is a TLR4 agonist. Promotes NF- $\kappa$ B nuclear translocation and induces inflammatory cytokine secretion in RAW264.7 macrophages in vitro. It acts as an adjuvant in vivo and enhances X-15 specific antibody serum concentrations.
Targets(IC50)	TLR

## Solubility Information

Solubility	DMSO: 10 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	1.0872 mL	5.4358 mL	10.8717 mL
5 mM	0.2174 mL	1.0872 mL	2.1743 mL
10 mM	0.1087 mL	0.5436 mL	1.0872 mL
50 mM	0.0217 mL	0.1087 mL	0.2174 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

Li et al (2016) Intranasal vaccination against HIV-1 with adenoviral vector-based nanocomplex using synthetic TLR-4 agonist peptide as adjuvant. Mol.Pharm. 13 885 PMID:

Shanmugam et al (2012) Synthetic Toll like receptor-4 (TLR-4) agonist peptides as a novel class of adjuvants. PLoS One 7 e30839 PMID:

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