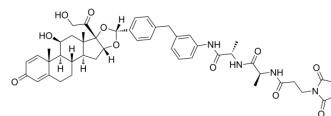


## Glucocorticoid receptor agonist-1 Ala-Ala-Mal

<b>Cat. No.:</b>	HY-137882
<b>CAS No.:</b>	2166376-51-6
<b>Molecular Formula:</b>	C <sub>48</sub> H <sub>54</sub> N <sub>4</sub> O <sub>11</sub>
<b>Molecular Weight:</b>	862.96
<b>Target:</b>	Glucocorticoid Receptor; ADC Cytotoxin
<b>Pathway:</b>	Immunology/Inflammation; Vitamin D Related/Nuclear Receptor; Antibody-drug Conjugate/ADC Related
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 110 mg/mL (127.47 mM; Need ultrasonic)  
H<sub>2</sub>O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.1588 mL	5.7940 mL	11.5880 mL
	5 mM	0.2318 mL	1.1588 mL	2.3176 mL
	10 mM	0.1159 mL	0.5794 mL	1.1588 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.75 mg/mL (3.19 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.75 mg/mL (3.19 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.75 mg/mL (3.19 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Glucocorticoid receptor agonist-1 Ala-Ala-Mal (compound 88) is a glucocorticosteroid, and an agonist of glucocorticoid receptor. Glucocorticoid receptor agonist-1 Ala-Ala-Mal can be conjugated with [Adalimumab](#) (HY-P9908) to prepare an [ADC](#) [1].

### REFERENCES

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

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