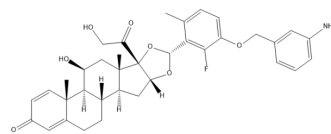


Glucocorticoid receptor agonist-4

Cat. No.:	HY-160179
CAS No.:	2842165-72-2
Molecular Formula:	C ₃₆ H ₄₀ FNO ₇
Molecular Weight:	617.7
Target:	Glucocorticoid Receptor; ADC Cytotoxin
Pathway:	Immunology/Inflammation; Vitamin D Related/Nuclear Receptor; Antibody-drug Conjugate/ADC Related
Storage:	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 200 mg/mL (323.78 mM; Need ultrasonic)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>1.6189 mL</td> <td>8.0945 mL</td> <td>16.1891 mL</td> </tr> <tr> <td>5 mM</td> <td>0.3238 mL</td> <td>1.6189 mL</td> <td>3.2378 mL</td> </tr> <tr> <td>10 mM</td> <td>0.1619 mL</td> <td>0.8095 mL</td> <td>1.6189 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	1.6189 mL	8.0945 mL	16.1891 mL	5 mM	0.3238 mL	1.6189 mL	3.2378 mL	10 mM	0.1619 mL	0.8095 mL	1.6189 mL
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	Please refer to the solubility information to select the appropriate solvent.																					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 5 mg/mL (8.09 mM); Clear solution																					

BIOLOGICAL ACTIVITY

Description	Glucocorticoid receptor agonist-4 (Compound Preparation 5) is a glucocorticoid receptor agonist that can be conjugated to TNF-α antibodies for the study of autoimmune and inflammatory diseases ^[1] .
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REFERENCES

[1]. Grace CHAO, et al. Human tumor necrosis factor alpha antibody glucocorticoid conjugates. Patent WO2023220549A1.

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

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