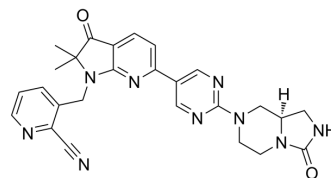


TNF- α -IN-6

Cat. No.:	HY-142618
CAS No.:	2699704-20-4
Molecular Formula:	C ₂₆ H ₂₅ N ₉ O ₂
Molecular Weight:	495.54
Target:	TNF Receptor
Pathway:	Apoptosis
Storage:	4°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 : 100 mg/mL (201.80 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>2.0180 mL</td> <td>10.0900 mL</td> <td>20.1800 mL</td> </tr> <tr> <td>5 mM</td> <td>0.4036 mL</td> <td>2.0180 mL</td> <td>4.0360 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2018 mL</td> <td>1.0090 mL</td> <td>2.0180 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	2.0180 mL	10.0900 mL	20.1800 mL	5 mM	0.4036 mL	2.0180 mL	4.0360 mL	10 mM	0.2018 mL	1.0090 mL	2.0180 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: ≥ 2.5 mg/mL (5.05 mM); Clear solution																					

BIOLOGICAL ACTIVITY

Description	TNF- α -IN-6 is an orally efficacious allosteric inhibitor of TNF α (K _D = 6.8 nM).
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REFERENCES

[1]. Dietrich JD, et al. Development of Orally Efficacious Allosteric Inhibitors of TNF α via Fragment-Based Drug Design. J Med Chem. 2021 Jan 14;64(1):417-429.

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

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