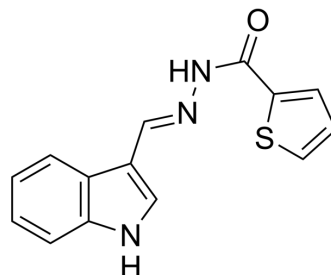


## FGF22-IN-1

<b>Cat. No.:</b>	HY-148432		
<b>CAS No.:</b>	113143-13-8		
<b>Molecular Formula:</b>	C <sub>14</sub> H <sub>11</sub> N <sub>3</sub> OS		
<b>Molecular Weight:</b>	269.32		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (371.31 mM; Need ultrasonic)				
	<b>Preparing Stock Solutions</b>	<b>Solvent</b> \ <b>Mass</b> \ <b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>1 mM</b>	3.7131 mL	18.5653 mL	37.1306 mL
		<b>5 mM</b>	0.7426 mL	3.7131 mL	7.4261 mL
		<b>10 mM</b>	0.3713 mL	1.8565 mL	3.7131 mL
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (9.28 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	FGF22-IN-1 (compound c1) is a potent CD4 D1 inhibitor. FGF22-IN-1 can be used as immunosuppressive agent <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	CD4 D1 <sup>[1]</sup>

### REFERENCES

[1]. Xiao H, et al. Potent inhibition of the CD4-dependent T cell response by J2, a novel nonpeptide organic ligand of CD4 D1. Mol Immunol. 2007 Feb;44(5):784-95.

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

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