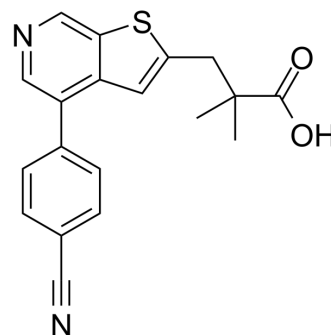


Puliginurad

Cat. No.:	HY-147300
CAS No.:	2013582-27-7
Molecular Formula:	C ₁₉ H ₁₆ N ₂ O ₂ S
Molecular Weight:	336.41
Target:	URAT1
Pathway:	Membrane Transporter/Ion Channel
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 : 130 mg/mL (386.43 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>2.9726 mL</td> <td>14.8628 mL</td> <td>29.7256 mL</td> </tr> <tr> <td>5 mM</td> <td>0.5945 mL</td> <td>2.9726 mL</td> <td>5.9451 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2973 mL</td> <td>1.4863 mL</td> <td>2.9726 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	2.9726 mL	14.8628 mL	29.7256 mL	5 mM	0.5945 mL	2.9726 mL	5.9451 mL	10 mM	0.2973 mL	1.4863 mL	2.9726 mL
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	Please refer to the solubility information to select the appropriate solvent.																					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 3.25 mg/mL (9.66 mM); Clear solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 3.25 mg/mL (9.66 mM); Clear solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 3.25 mg/mL (9.66 mM); Clear solution; Need ultrasonic 																					

BIOLOGICAL ACTIVITY

Description	Puliginurad (YL-90148) is a potent urate transporter (URAT) inhibitor. Puliginurad can be used for hyperuricemia and gout research ^[1] .
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REFERENCES

[1]. WHO Drug Information. International Nonproprietary Names for Pharmaceutical

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

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