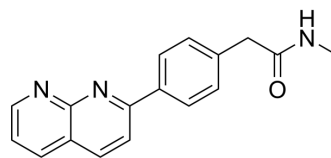


## Succinate/succinate receptor antagonist 1

Cat. No.:	HY-150205
CAS No.:	2361972-29-2
Molecular Formula:	C <sub>17</sub> H <sub>15</sub> N <sub>3</sub> O
Molecular Weight:	277.32
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (90.15 mM; Need ultrasonic)																			
	Preparing Stock Solutions	<table border="1"> <thead> <tr> <th>Solvent Concentration</th> <th>Mass 1 mg</th> <th>Mass 5 mg</th> <th>Mass 10 mg</th> </tr> </thead> <tbody> <tr> <td>1 mM</td> <td>3.6059 mL</td> <td>18.0297 mL</td> <td>36.0594 mL</td> </tr> <tr> <td>5 mM</td> <td>0.7212 mL</td> <td>3.6059 mL</td> <td>7.2119 mL</td> </tr> <tr> <td>10 mM</td> <td>0.3606 mL</td> <td>1.8030 mL</td> <td>3.6059 mL</td> </tr> </tbody> </table>	Solvent Concentration	Mass 1 mg	Mass 5 mg	Mass 10 mg	1 mM	3.6059 mL	18.0297 mL	36.0594 mL	5 mM	0.7212 mL	3.6059 mL	7.2119 mL	10 mM	0.3606 mL	1.8030 mL	3.6059 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: ≥ 2.08 mg/mL (7.50 mM); Clear solution																			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (7.50 mM); Clear solution																			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (7.50 mM); Clear solution																			

### BIOLOGICAL ACTIVITY

Description	Succinate/succinate receptor antagonist 1 (compound 7a) is a succinate/succinate receptor antagonist. Succinate/succinate receptor antagonist 1 blocks succinate signaling in gingival tissue. Succinate/succinate receptor antagonist 1 inhibits the activation of succinate receptor 1 (SucnRI) with an IC <sub>50</sub> value of 20 μM. Succinate/succinate receptor antagonist 1 can be used for the research of periodontal disease <sup>[1]</sup> .
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### REFERENCES

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

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