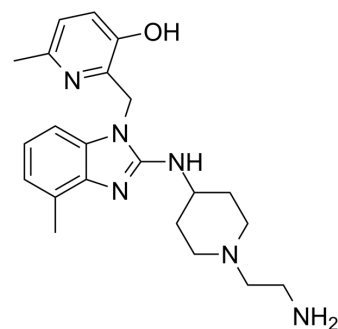


## JNJ 2408068

<b>Cat. No.:</b>	HY-11098		
<b>CAS No.:</b>	317846-22-3		
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>30</sub> N <sub>6</sub> O		
<b>Molecular Weight:</b>	394.51		
<b>Target:</b>	RSV		
<b>Pathway:</b>	Anti-infection		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (253.48 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.5348 mL	12.6740 mL	25.3479 mL
	5 mM	0.5070 mL	2.5348 mL	5.0696 mL
	10 mM	0.2535 mL	1.2674 mL	2.5348 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: 2.5 mg/mL (6.34 mM); Clear solution; Need ultrasonic and warming and heat to 60°C
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: 2.5 mg/mL (6.34 mM); Clear solution; Need ultrasonic and warming and heat to 60°C
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (6.34 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

JNJ 2408068 is a potent RSV (respiratory syncytial virus) inhibitor. JNJ 2408068 significantly inhibits replication of RSV A and B subtypes in the lungs of cotton rats without any evidence of toxicity. The minimum protective dose of JNJ 2408068 appears to be approximately 0.39 mg/kg<sup>[1]</sup>.

### REFERENCES

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[1]. Wyde PR, et al. Short duration aerosols of JNJ 2408068 (R170591) administered prophylactically or therapeutically protect cotton rats from experimental respiratory syncytial virus infection. Antiviral Res. 2003 Nov;60(3):221-31.

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

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