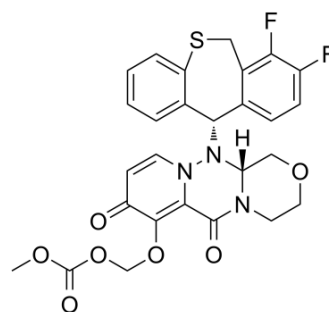


## Baloxavir marboxil

<b>Cat. No.:</b>	HY-109025
<b>CAS No.:</b>	1985606-14-1
<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>23</sub> F <sub>2</sub> N <sub>3</sub> O <sub>7</sub> S
<b>Molecular Weight:</b>	571.55
<b>Target:</b>	Influenza Virus
<b>Pathway:</b>	Anti-infection
<b>Storage:</b>	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 33.33 mg/mL (58.32 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		1.7496 mL	8.7481 mL	17.4963 mL
		<b>5 mM</b>		0.3499 mL	1.7496 mL	3.4993 mL
<b>10 mM</b>		0.1750 mL	0.8748 mL	1.7496 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 >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.37 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	Baloxavir marboxil (S-033188) is a selective inhibitor of influenza cap-dependent endonuclease. Baloxavir marboxil, a potent antiviral agent, shows activity against influenza A and B virus <sup>[1]</sup> .
<b>In Vitro</b>	Baloxavir marboxil is a polymerase acidic protein (PA) endonuclease inhibitor <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

- Euro Surveill. 2019 Mar;24(12):1900170.
- Antimicrob Agents Chemother. 2020 Jun 23;64(7):e00222-20.

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- Front Microbiol. 2021 Feb 12;12:611958.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

## REFERENCES

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- [1]. Frederick G Hayden, et al. Baloxavir Marboxil for Uncomplicated Influenza in Adults and Adolescents. N Engl J Med. 2018 Sep 6;379(10):913-923.
- [2]. Hideyuki Ikematsu, et al. Baloxavir Marboxil for Prophylaxis against Influenza in Household Contacts. N Engl J Med. 2020 Jul 23;383(4):309-320.
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**Caution: Product has not been fully validated for medical applications. For research use only.**