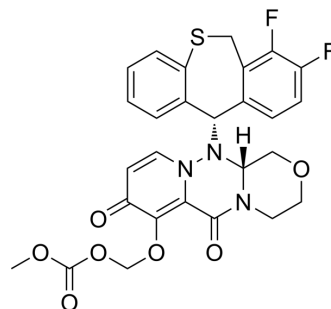


## Baloxavir marboxil

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



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 33.33 mg/mL (58.32 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	1.7496 mL	8.7481 mL	17.4963 mL
			5 mM	0.3499 mL	1.7496 mL	3.4993 mL
			10 mM	0.1750 mL	0.8748 mL	1.7496 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.37 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	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> .
In Vitro	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.
- J Virol. 2021 Apr 14;JV10040821.

- Front Microbiol. 2021 Feb 12;12:611958.
- Antimicrob Agents Chemother. 2020 Jun 23;64(7):e00222-20.

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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA