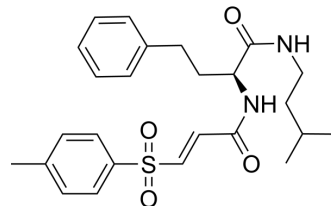


## WRR139

Cat. No.:	HY-129225		
CAS No.:	2138924-36-2		
Molecular Formula:	C <sub>25</sub> H <sub>32</sub> N <sub>2</sub> O <sub>4</sub> S		
Molecular Weight:	456.6		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (219.01 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	2.1901 mL	10.9505 mL	21.9010 mL
			5 mM	0.4380 mL	2.1901 mL	4.3802 mL
			10 mM	0.2190 mL	1.0951 mL	2.1901 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 (5.48 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	WRR139 is a peptide vinyl sulfone involving in disease processes such as inflammation and cancer. WRR139 is also a cytosolic enzyme N-glycanase 1 (NGLY1) and Nrf1 inhibitor. WRR139 enhances Carfilzomib cytotoxicity against cancer cells <sup>[1]</sup> .
In Vitro	WRR139 (0.01-100 μM; 1 h) inhibits NGLY1 in vitro and impairs processing of Nrf1 in HEK293 cells <sup>[1]</sup> . WRR139 (5 μM; 18 h) disrupts Nrf1 processing, location, and activation in HEK293 cells <sup>[1]</sup> . WRR139 (1 μM; 24 h) enhances the cytotoxicity of Carfilzomib in an NGLY1-dependent manner in U266, H929, and Jurkat cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

**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