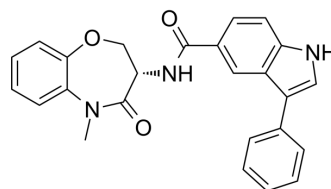


## RIP1 kinase inhibitor 9

Cat. No.:	HY-163390
Molecular Formula:	C <sub>25</sub> H <sub>21</sub> N <sub>3</sub> O <sub>3</sub>
Molecular Weight:	411.45
Target:	RIP kinase; Necroptosis
Pathway:	Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	RIP1 kinase inhibitor 9 (compound SY-1) is a selective RIP kinase inhibitor. RIP1 kinase inhibitor 9 effectively suppresses the central inflammatory response induced by epilepsy. RIP1 kinase inhibitor 9 inhibits Z-VAD-FMK (HY-16658B)-induced necroptosis in HT-29 cells with an EC <sub>50</sub> of 7.04 nM <sup>[1]</sup> .
<b>In Vitro</b>	RIP1 kinase inhibitor 9 (10 nM, 4 h) effectively prevents the phosphorylation of both RIP1 and RIP3, hinders necrosome formation <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	RIP1 kinase inhibitor 9 (5 mg/kg for p.o; daily for 7 days) suppresses inflammation in epileptic mice model <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Jiang R, et al. Scaffold hopping derived novel benzoxazepinone receptor-interacting protein kinase 1 (RIP1) inhibitors as anti-necroptosis agents: Anti-inflammatory effect in systemic inflammatory response syndrome (SIRS) and epilepsy. *Eur J Med Chem.* 2024 Mar 9;269:116304.

**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

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