

RIP1 kinase inhibitor 9

Chemical Properties

CAS No. :

Formula: C₂₅H₂₁N₃O₃

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	RIP1 kinase inhibitor 9 (compound SY-1) is a selective inhibitor of RIP kinase. It effectively reduces central inflammatory responses caused by seizures. RIP1 kinase inhibitor 9 also obstructs Z-VAD-FMK-induced necroptosis in HT-29 cells, with an EC ₅₀ of 7.04 nM.
Targets(IC ₅₀)	Necroptosis,RIP kinase
In vitro	RIP1 kinase inhibitor 9 (10 nM, 4 h) effectively prevents the phosphorylation of RIP1 and RIP3, thereby hindering the formation of necrosomes.
In vivo	Oral administration of RIP1 kinase inhibitor 9 (5 mg/kg, once daily for 7 consecutive days) reduces inflammation in a mouse model of epilepsy.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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