

## Product Data Sheet

Product Name: HS-1371  
 Cat. No.: GC32280

### Chemical Properties

Cas. No. 2158197-70-5

SMILES CC1=CC=C(OC2=CC=NC3=CC(C4=CN(C5CCNCC5)N=C4)=CC=C23)C=C1

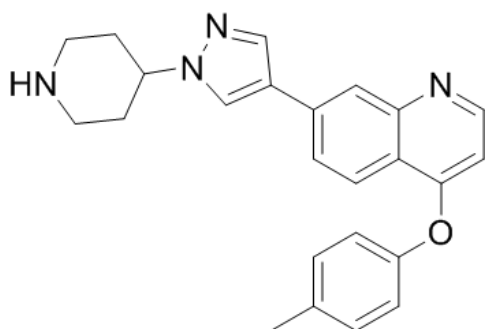
Formula  $C_{24}H_{24}N_4O$  M.Wt 384.47

Solubility DMSO : 16.67 mg/mL (43.36 mM) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

### Structure



### Background

HS-1371 is a potent and ATP-competitive receptor-interacting protein kinase 3 (RIP3) inhibitor with an IC<sub>50</sub> of 20.8 nM[1].

HS-1371 directly binds to RIP3 in an ATP-competitive and time-independent manner. HS-1371 has an inhibitory effect on RIP3 kinase activity in various cell lines[1]. HS-1371 (0.1, 1, 5, 10, 20 μM, 9 h) can block RIP3 S227 phosphorylation[1]. HS-1371 (0.1, 1, 5, 10 μM, 24 h) rescues cells from RIP3-dependent necroptotic cell death but not apoptotic cell death[1]. || Western Blot Analysis[1] || Cell

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Line:|HT-29 cells |Concentration:|0.1, 1, 5, 10, 20  $\mu$ M|Incubation Time:|9 h|Result:|HS-1371 shows an inhibitory effect on S227 auto-phosphorylation of RIP3.

[1]. Park HH, et al. HS-1371, a novel kinase inhibitor of RIP3-mediated necroptosis. Exp Mol Med. 2018 Sep 20;50(9):125.

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