



[www.MedChemExpress.com](http://www.MedChemExpress.com)

Inhibitors, Screening Libraries, Proteins

# Pyroptosis

Pyroptosis is a type of programmed cell death that features pore formation on the plasma membrane, cell swelling and plasma membrane disruption. Pyroptosis is a form of lytic programmed cell death initiated by inflammasomes, which detect cytosolic contamination or perturbation.

Gasdermin D (GSDMD), as the executive protein of pyroptosis, is activated and transferred to the membrane to induce glial rupture, resulting in the release of more inflammatory mediators.

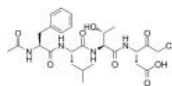
Inflammasome is an intracellular signaling complex of the innate immune system. Activation of inflammasomes promotes the secretion of IL-1 $\beta$ /IL-18 and triggers pyroptosis. The proinflammatory effect of IL-1 $\beta$ /IL-18 and pyroptosis contributes to the development of autoimmune and inflammatory diseases.

## Pyroptosis Inhibitors & Activators

### Ac-FLTD-CMK

Cat. No.: HY-111675

Ac-FLTD-CMK, a gasdermin D (GSDMD)-derived inhibitor, is a specific **inflammatory caspases** inhibitor.



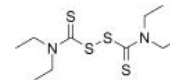
**Purity:** 99.53%  
**Clinical Data:** No Development Reported  
**Size:** 1 mg, 5 mg

### Disulfiram

(Tetraethylthiuram disulfide; TETD)

Cat. No.: HY-B0240

Disulfiram (Tetraethylthiuram disulfide) is a specific inhibitor of **aldehyde-dehydrogenase (ALDH1)**, used for the treatment of chronic alcoholism by producing an acute sensitivity to alcohol.

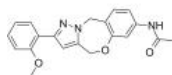


**Purity:** 99.77%  
**Clinical Data:** Launched  
**Size:** 10 mM × 1 mL, 500 mg, 1 g, 5 g

### LDC7559

Cat. No.: HY-111674

LDC7559 is a **gasdermin D (GSDMD)** inhibitor via blocking neutrophil extracellular trap (NET) in the late stages .

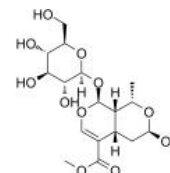


**Purity:** 99.29%  
**Clinical Data:** No Development Reported  
**Size:** 10 mM × 1 mL, 5 mg, 10 mg, 50 mg, 100 mg

### Morrionside

Cat. No.: HY-N0532

Morrionside has neuroprotective effect by inhibiting neuron apoptosis and MMP2/9 expression.

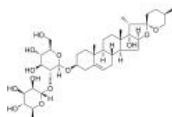


**Purity:** 98.55%  
**Clinical Data:** No Development Reported  
**Size:** 10 mM × 1 mL, 5 mg, 10 mg, 25 mg

### Polyphyllin VI

Cat. No.: HY-N0816

Polyphyllin VI, an active saponin, possess anti-cancer activities. Polyphyllin VI induces G2/M cell cycle arrest and triggers **apoptosis**.



**Purity:** 98.34%  
**Clinical Data:** No Development Reported  
**Size:** 5 mg, 10 mg, 20 mg