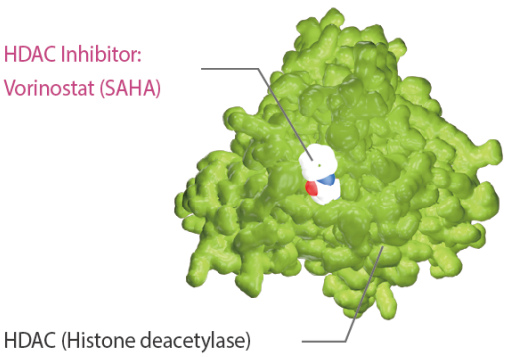
NOD-like Receptor (NLR)



Nucleotide oligomerization domain (NOD)-like receptors (NLRs) are a specialized group of intracellular proteins that play a critical role in the regulation of the host innate immune response. NLRs act as scaffolding proteins that assemble signaling platforms that trigger nuclear factor-κB and mitogen-activated protein kinase signaling pathways and control the activation of inflammatory caspases. Importantly, mutations in several members of the NLR family have been linked to a variety of inflammatory diseases consistent with these molecules playing an important role in host-pathogen interactions and the inflammatory response. NLRs including Nod1 and Nod2 are thought to be kept in an inactive state by intra-molecular interactions.

The central role of the Nod-like receptor (NLR) protein family became increasingly appreciated in innate immune responses. NLRs are classified as part of the signal transduction ATPases with numerous domains (STAND) clade within the AAA+ ATPase family.

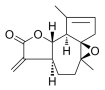
NOD-like Receptor (NLR) Inhibitors & Modulators

Arglabin

((+)-Arglabin) Cat. No.: HY-16059

Bioactivity: Arglabin is a sesquiterpene gamma-lactone is isolated from Artemisia glabella; anticancer natural compound.

Purity: 99.17%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 50 mg, 100 mg

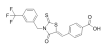


CY-09

Cat. No.: HY-103666

Bioactivity: CY-09 is an **NLRP3** inhibitor.

Purity: 98.0%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO,
1 mg, 5 mg, 10 mg, 50 mg, 100 mg

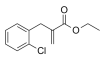


INF39

Cat. No.: HY-101868

Bioactivity: INF39 is an irreversible and noncytotoxic **NLRP3** inhibitor.

Purity: 99.61%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 25 mg, 50 mg, 100 mg

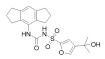


MCC950

(CP-456773) Cat. No.: HY-12815

Bioactivity: MCC950 is a potent and selective **NLRP3** inhibitor with $\mathbf{IC_{50}}$s of 7.5 and 8.1 nM in BMDMs and HMDMs, respectively.

Purity: 98.0%
Clinical Data: No Development Reported
Size: 5 mg, 10 mg, 50 mg, 100 mg

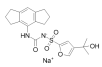


MCC950 sodium

(CP-456773 sodium; CRID3 sodium salt) Cat. No.: HY-12815A

Bioactivity: MCC950 sodium is a potent, selective **NLRP3** inhibitor with $\mathbf{IC_{50}}$s of 7.5 and 8.1 nM in BMDMs and HMDMs, respectively.

Purity: 98.90%
Clinical Data: No Development Reported
Size: 10mM x 1mL in Water,
5 mg, 10 mg, 50 mg, 100 mg, 200 mg

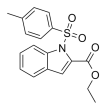


NOD-IN-1

Cat. No.: HY-100691

Bioactivity: NOD-IN-1 is a potent mixed inhibitor of nucleotide-binding oligomerization domain (**NOD**)-like receptors, **NOD1** and **NOD2**, with $\mathbf{IC_{50}}$ of 5.74 μM and 6.45 μM, respectively.

Purity: 98.99%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO,
1 mg, 5 mg, 10 mg, 50 mg, 100 mg

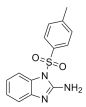


Nodinitib-1

(ML130; CID-1088438) Cat. No.: HY-18639

Bioactivity: Nodinitib-1 (ML130;CID-1088438) is a **NOD1** inhibitor with an $\mathbf{IC_{50}}$ of 0.56 μM.

Purity: 98.0%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 25 mg, 50 mg, 100 mg

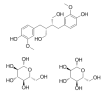


seco-Isolariciresinol Diglucoside

(LGM2605) Cat. No.: HY-N0727

Bioactivity: seco-Isolariciresinol Diglucoside, a synthetic lignin, which is derived from the natural plant flaxseed.
seco-Isolariciresinol Diglucoside reduces asbestos-induced **NLRP3** expression, and **NF-κB** activation in macrophages (MF).
seco-Isolariciresinol Diglucoside also activates **Nrf2**.

Purity: 99.74%
Clinical Data: No Development Reported
Size: 10mM x 1mL in DMSO,
5 mg, 10 mg, 50 mg, 100 mg



Troxerutin

(Trihydroxyethylrutin) Cat. No.: HY-N0139

Bioactivity: Troxerutin, also known as vitamin P4, is a tri-hydroxyethylated derivative of natural bioflavonoid rutins which can inhibit the production of **reactive oxygen species** (**ROS**) and depress ER stress-mediated **NOD** activation.

Purity: 98.05%
Clinical Data: Phase 4
Size: 10mM x 1mL in DMSO,
100 mg, 5 g