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NLRP3 Inflammasome Inhibitors



Schematic illustration of the production mechanism of IL-1 β /IL-18 by NLRP3 inflammasome (Cited and modified from the reference 3)

It has been reported that NLR family pyrin domain- containing protein 3 (NLRP3), a pattern recognition receptor, forms a complex called NLRP3 inflammasome in response to irritating metabolites and pathogens, and induces the production of pro-inflammatory cytokines, Interleukin (IL)-1 β and IL-18. In recent years, it has become clear that excessive activation of the NLRP3 inflammasome is closely related to the development of various inflammatory diseases. Therefore, inhibitors that suppress the activity of the NLRP3 inflammasome have been attracting attention.

Small Molecule NLRP3 Inflammasome Inhibitors

Arglabin Dapansutrile Dexmedetomidine Hydrochloride KN3014 MNS MCC950 Sodium Salt Resveratrol VX-765 5mg [A3449] 100mg / 1g [D5955] 20mg / 100mg [D5062] 10mg / 50mg [K0077] 100mg / 500mg [M3390] 10mg [M3396] 1g / 5g / 25g [R0071] 10mg [V0176]

CB₂ Receptor Selective Agonist (The Inhibitory Effect Reported)

GW-405833

Antimicrobial Agent (The Inhibitory Effect Reported)

Minocycline Hydrochloride

1g / 5g [M2288]

10mg [G0600]

Crude Medicine Ingredients (The Inhibitory Effect Reported)

Cycloastragenol Fraxinellone Glycyrrhizin Isoliquiritigenin Oridonin 25mg / 100mg [C3469] 10mg / 50mg [F1187] 1g / 25g [G0150] 100mg / 1g [I0822] 50mg [O0387]

For Laboratory Use, Research Purposes Only.

NLRP3 Inflammasome Inhibitors

The Chemical Structures of the Each Product



We also offer scale-up supply of compounds listed in our catalog and custom synthesis of various derivatives. Please feel free to contact us.

Ordering and Customer Service

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