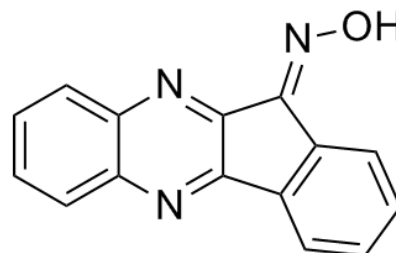


Product Name : IQ-1S
Cat. No. : PC-42095
CAS No. : 23146-22-7
Molecular Formula : C₁₅H₉N₃O
Molecular Weight : 247.2515
Target : JNK
Solubility : DMSO: ≥ 32 mg/mL



Biological Activity

A potent, highly specific JNK inhibitor with IC₅₀ of 390, 360, and 87 nM for JNK1, JNK2, and JNK3, respectively; does not inhibit other kinases that represent potential targets for RA treatment, including GSK-3beta, JAK2, JAK3, PI3Ks, Btk, IKK-2, etc.; inhibits pro-inflammatory cytokine (IL-1α, IL-1β, IL-6, IL-10, TNF-α, IFN-γ, and GM-CSF and nitric oxide production by human and murine monocyte/macrophages; inhibits LPS-induced TNF-α and IL-6 production in MonoMac-6 cells with IC₅₀ of 0.25 and 0.61 μM, respectively; reduces inflammation and cartilage loss associated with CIA in mice model.

References

- Schepetkin IA, et al. Mol Pharmacol. 2012 Jun;81(6):832-45.
Schepetkin IA, et al. J Pharmacol Exp Ther. 2015 Jun;353(3):505-16.
Atochin DN, et al. Neurosci Lett. 2016 Apr 8;618:45-49.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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