

Product Datasheet

IQ-3

Catalog No. **BP-02153** · CAS **312538-03-7** · Form **free base** · Physical state **other** · Color **Off-white to light yellow** · Version **1.0** · Revision **2026-09-03**

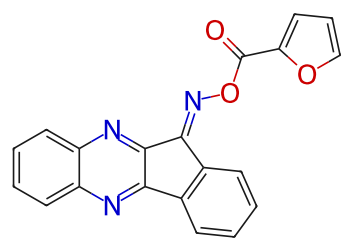
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Target JNK	Research area Inflammation/Immunology
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Molecular formula **C₂₀H₁₁N₃O₃**

Molecular weight **341.3196**

STRUCTURE



DESCRIPTION

IQ-3 is a specific inhibitor of the c-Jun N-terminal kinase (JNK) family, with preference for JNK3.

BIOLOGICAL ACTIVITY

In Vitro

IQ-3 exhibits IC₅₀ of 2.2 μM (TNF-α in human monoMac-6 cells), 1.5 μM (IL-6 in human monoMac-6 cells), 4.7 μM (TNF-α in human PBMCs), 9.1 μM (IL-6 in human PBMCs) and 6.1 μM (NO in murine J774.A1), respectively.

IQ-3 exhibits an IC₅₀ of 1.4 μM for inhibiting LPS-induced NF-κB/AP-1 transcriptional activity in human THP-1 Blue monocytic cells.

SOLUBILITY

Soluble in DMSO

REFERENCES

[1].Igor A Schepetkin, et al. Identification and characterization of a novel class of c-Jun N-terminal kinase inhibitors. Mol Pharmacol. 2012 Jun;81(6):832-45.

Tel: +86 20 31130026 · Fax: +86 20 36822386 · tech@biochemprobe.com · www.biochemprobe.com

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