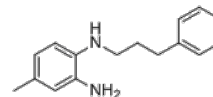


Product Name : JSH-23
Cat. No. : PC-21743
CAS No. : 749886-87-1
Molecular Formula : C₁₆H₂₀N₂
Molecular Weight : 240.35
Target : NF-κB
Solubility : 10 mM in DMSO



Biological Activity

JSH-23 is a small molecule **NF-κB** inhibitor, inhibits NF-κB transcriptional activity with IC₅₀ of 7.1 uM in LPS-stimulated macrophages RAW 264.7.

JSH-23 inhibits nuclear translocation of NF-κB p65 without affecting IκBα degradation.

JSH-23 (<100 uM) does not show significant cytotoxic effects on the RAW 264.7 cells.

JSH-23 (1 mg/kg, 3 mg/kg; oral daily for 2 weeks) significantly reverses the nerve conduction and nerve blood flow deficits seen in diabetic rats.

References

Shin HM, et al. *FEBS Lett.* 2004 Jul 30;571(1-3):50-4.

Kumar A, et al. *Diabetes Obes Metab.* 2011 Aug;13(8):750-8.

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

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