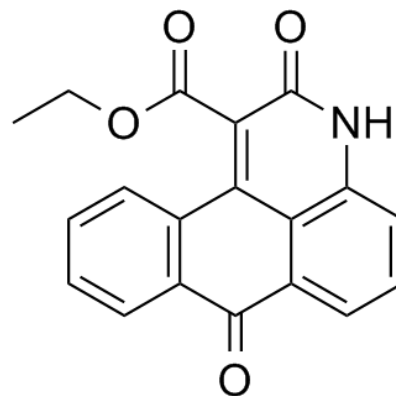


Product Name : NQDI-1
Cat. No. : PC-45651
CAS No. : 175026-96-7
Molecular Formula : C₁₉H₁₃NO₄
Molecular Weight : 319.3108
Target : MEKK (MAP3K)
Solubility : DMSO: 10 mg/mL



Biological Activity

NQDI-1 is a potent and selective inhibitor of apoptosis signal-regulating kinase 1 (**ASK1**) with K_i of 500 nM.

NQDI-1 inhibits in vivo expression levels of ASK1, phosphorylated (p)JNK, pIcJun, p53 and caspase 3 in Hypoxia-ischemia rat model.

NQDI-1 enhances endochondral bone formation by increasing chondrocyte survival in mice.

References

Volynets GP, et al. *J Med Chem.* 2011 Apr 28;54(8):2680-6.

Hao H, et al. *Mol Med Rep.* 2016 Jun;13(6):4585-92.

Eaton GJ, et al. *Cell Death Dis.* 2014 Nov 13;5:e1522.

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

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