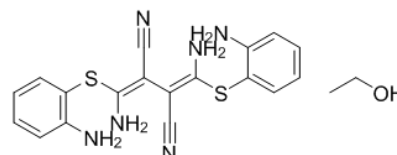


Product Name : U0126
Cat. No. : PC-42845
CAS No. : 1173097-76-1
Molecular Formula : C₂₀H₂₂N₆OS₂
Molecular Weight : 426.5583
Target : MEK (MAP2K)
Solubility : DMSO: ≥ 49 mg/mL



Biological Activity

U0126 (U0126-EtOH) is a potent, selective **MEK (MAP2K)** inhibitor with IC₅₀ of 70 nM and 60 nM for MEK1 and MEK2, suppresses AP-1-mediated gene activation in transient transfection assays with IC₅₀ of 0.96 μM.

U0126 shows little to no effect on the kinase activities of PKC, Abl, Raf, MEKK, ERK, JNK, MKK-3, MKK-4/SEK, MKK-6, Cdk2, or Cdk4.

U0126 inhibits T cell proliferation in response to antigenic stimulation or cross-linked anti-CD3 plus anti-CD28 Abs, but has no effect on IL-2-induced proliferation.

U0126 reduces tumor size of tumor xenografts in nude mice.

References

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Bessard A, et al. *Oncogene*. 2008 Sep 11;27(40):5315-25.

Duncia JV, et al. *Bioorg Med Chem Lett*. 1998 Oct 20;8(20):2839-44.

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

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