



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## U0126

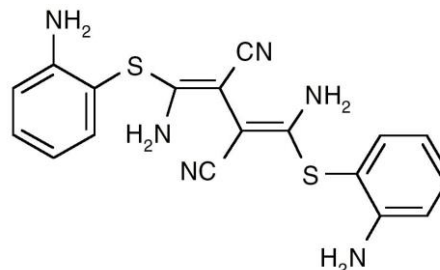
Catalog #: 27012

Lot #: 181219

Size: 25 mg

Structure:

CAS Registry #: 109511-58-2

Purity:  $\geq 99\%$ Chemical Formula:  $C_{18}H_{16}N_6S_2$ 

Molecular Weight: 380.49

**Description:** U0126 is a selective inhibitor of mitogen-activated protein kinase kinases, MEK-1 and MEK-2. It is a weak inhibitor of PKC, Raf, ERK, JNK, MEKK, MKK-3, MKK-4/SEK, MKK-6, Abl, Cdk2 and Cdk4.

**Appearance:** White to off-white crystalline solid; granular or powder

**Solubility:** Soluble in DMSO at 200 mg/ml. It is poorly soluble in ethanol and water. Buffers, serum or other additives may increase or decrease the aqueous solubility.

**Biological Activity:** U0126 antagonizes AP-1 transcriptional activity via noncompetitive inhibition of the dual specificity kinase MEK with  $IC_{50}$  of 0.07  $\mu M$  for MEK1 and 0.06  $\mu M$  for MEK2.

**Storage/Stability:** Store at or below  $-20^{\circ}C$ .

**Quality Control:** The purity was determined by HPLC analysis.

**References:**

1. Favata, M.R., *et al.*, *J. Biol. Chem.* 1998; **273**: 18623 – 18632.
2. DeSilva, D.R., *et al.*, *J. Immunol.* 1998; **160**: 4175 – 4181.
3. Scherle, P.A., *et al.*, *J. Immunol.* 1998; **161**: 5681 – 5686.
4. Duncia, J.V., *et al.*, *Bioorg Med Chem Lett.* 1998 Oct 20; **8(20)**: 2839 – 2844.



## Data Sheet