U0126
Catalog Number :1095821

Product Information

**Synonyms:** U-0126, UO-126

**Chemical Name:** \((2Z,3Z)-2,3\text{-bis}[\text{amino-(2-aminophenyl)sulfanyl]methylidene} \text{butanediitrile} \)

**Molecular Formula:** \(C_{18}H_{16}N_6S_2\)

**Molecular Weight:** 380.5

**CAS Number:** 109511-58-2

**Purity:** ≥98%

**Applications:** FA

**Formulation:** Crystalline solid

**Storage:** Product should be kept at -20°C.

Description

U0126 is a highly selective inhibitor of MEK1 (IC50 of 72nM) and MEK2 (IC50 of 58nM) that antagonizes AP-1 transcriptional activity. U0216 helps maintain human pluripotent stem cells in the undifferentiated state. It is also reported to sensitize cells to anoikis, as upon treatment with U0126 cells deprived of anchorage enter apoptosis.

Preparation & Storage

Soluble in organic solvents such as ethanol or DMSO. DMSO up to 25mg/ml.

References


