

## U0126, MEK1 and MEK2 inhibitor

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Catalog	Unit
TBI2179-5MG	5 mg
TBI2179-25MG	25 mg

### Product Details

**Formal Name:** 1,4-Diamino-2,3-dicyano-1,4-bis[2-aminophenylthio]butadiene

**Molecular Formula:** C<sub>18</sub>H<sub>16</sub>N<sub>6</sub>S<sub>2</sub>

**Formula Weight:** 380.49

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

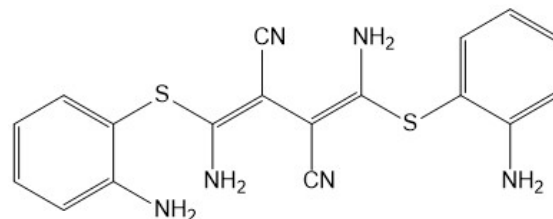
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 200 mg/ml).

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

MEK1 and MEK2 inhibitor

### Functions

Highly selective inhibitor of MEK1 and MEK2 in vitro and in vivo. Unlike PD98059, which only inhibits the activation of MEK1 and MEK2, U0126 inhibits both the active and inactive forms of the MEK enzymes. Inhibition of MEK1 and MEK2 has been demonstrated to enhance the self renewal of stem cells.

### Application Procedures

First dissolved in DMSO (up to 200 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

**For research use only.**