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Product Information

U0126 ethanolate

Catalog Number **U120**

Storage Temperature: 2-8 °C

CAS RN: 109511-58-2 (free base)

Synonym: 1,4-Diamino-2,3-dicyano-1,4-bis-(o-amino-phenylmercapto)butadiene ethanolate

Product Description

Molecular Formula: $C_{18}H_{16}N_6S_2 \times C_2H_5OH$

Molecular Weight: 426.56

Purity: $\geq 98\%$ (HPLC)

Specific inhibitor of MEK1 and MEK2 (MAP kinase kinase; MAPKK); also inhibits a constitutively active, mutant form of MEK.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Preparation Instructions

Soluble in DMSO (>10 mg/ml). Stock solutions in DMSO should be used within a month. Acidic solutions exhibit weaker inhibition

Storage/Stability

Store at 2-8 °C protected from light.

References

1. Favata, M., et al., Identification of a novel inhibitor of mitogen-activated protein kinase kinase., *J. Biol. Chem.* **273**, 18623-18632 (1998).
2. DeSilva, D., et al., Inhibition of mitogen-activated protein kinase kinase blocks T cell proliferation but does not induce or prevent anergy., *J. Immunol.* **160**, 4175-4181 (1998).
3. Duncia, J.V., et al., MEK inhibitors: The chemistry and biological activity of U0126, its analogs, and cyclization products., *Bioorg. Med. Chem. Lett.* **8**, 2839-2844 (1998)

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