

CERTIFICATE of ANALYSIS

PRODUCT:	U0126 MEK inhibitor; [1,4-Diamino-2,3-dicyano-1,4-bis[2-aminophenylthio]butadiene] C ₁₈ H ₁₆ N ₆ S ₂ , M.W. 380.5, CAS# [109522-58-2]
PRODUCT NUMBER:	U-1026
LOT NUMBER:	H1312
APPEARANCE:	White/Brown solid
SOLUBILITY:	Soluble in DMSO (35 mg/ml) or ethanol (2mg/ml)
ANALYSIS (TLC):	> 98%
ANALYSIS (NMR):	Conforms
PRODUCT DESCRIPTION:	U0126 is a novel, potent and selective MEK inhibitor (MEK1; IC ₅₀ = 72nM, MEK2; IC ₅₀ = 58nM). Blocks the production of inflammatory cytokines and prostaglandin E2 in LPS-stimulated monocytes and displays anti-inflammatory activity. An extremely useful tool for exploring pathways dependent on MEK activity. Cell permeable.
STORAGE & HANDLING:	Store desiccated at -20°C.

CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: SK