



CERTIFICATE OF ANALYSIS

PRODUCT: **Tyrphostin AG 490**
[Tyrphostin B42]; [N-Benzyl-3,4-dihydroxy-benzylidenecyanoacetamide]; [α -Cyano-(3,4-dihydroxy)-]N-benzylcinnamamide]
C₁₇H₁₄N₂O₃, M.W. 294.3, CAS# [133550-30-8]

PRODUCT NUMBER: A-1164

LOT NUMBER: A8851

APPEARANCE: Yellow Solid

MELTING POINT: 215°C

SOLUBILITY: Soluble in DMSO and acetone; slightly soluble in ethanol.

PURITY (HPLC): 98.7%

ELEMENTAL ANALYSIS:	SPECIFICATIONS:	RESULTS:
	C: 69.38%	C: 69.47%
	H: 4.79%	H: 4.88%
	N: 9.52%	N: 9.65%

PRODUCT DESCRIPTION: Selectively inhibits CDK2 activation leading to a potent cell cycle arrest at late G1 and S phase. Cell permeable inhibitor of JAK-2 tyrosine kinase. Does not significantly inhibit other kinases, such as Lck, Lyn, Btk, Syk or Src. Blocks IL-7 induced JAK kinase activity in T cells (JAK-1, JAK-3) and the consequent phosphorylation of PI-3 kinase. Valuable tool for studying the cellular role of JAK kinases in signal transduction.

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STORAGE & HANDLING: Store tightly sealed vial at -20°C in the dark.
PROTECT FROM LIGHT!

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: KT

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