

CERTIFICATE OF ANALYSIS

PRODUCT:	NSC 146109 hydrochloride [(10-Methyl-9-anthracenyl) methyl carbamimidothioic acid ester hydrochloride; XI-011], C ₁₇ H ₁₆ N ₂ S ₄ . HCl, M.W. 316.85, CAS# [59474-01-0]
PRODUCT NUMBER:	N-1215
LOT NUMBER:	D1147
APPEARANCE:	Yellow solid
SOLUBILITY:	Soluble in DMSO (100 mM) or EtOH (10 mM)
PURITY (HPLC):	≥ 98%
PRODUCT DESCRIPTION:	Cell-permeable. A p53 activator. It strongly activates p53 while selectively inhibiting growth of transformed cells without inducing genotoxicity. It promotes breast cancer cells to undergo apoptosis through activating p53 and inducing expression of proapoptotic genes. Recently, it has been found that activation of p53 by this small molecule is achieved through inhibition of MDMX expression. XI-011 repressed the MDMX promoter, resulting in down-regulation of MDMX mRNA level in MCF-7 cell.
STORAGE & HANDLING:	Store desiccated at -20°C. PROTECT FROM MOISTURE! CAUTION: For research 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:

