

## NSC 146109 hydrochloride

Cat. No. CEI-0716

Lot. No. (See product label)

### Introduction

**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.

**Synonyms** XI-011

### Product Information

**Appearance** Yellow solid

**CAS No.** 59474-01-0

**Molecular Formula**  $C_{17}H_{16}N_2S.HCl$

**Chemical Name** (10-Methyl-9-anthracenyl) methyl carbamimidothioic acid ester hydrochloride

**Molecular Weight** 396.83

**Purity** >95%

**Targets** p53

**Solubility** DMSO (>5 mg/ml)

### Storage and Shipping Information

**Storage** -20 centigrade

**Shipping Conditions** Gel pack