

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 C₁₇H₁₆N₂S.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