Creative Enzymes®

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