

Product datasheet

NSC 146109 hydrochloride, Cell-permeable p53 activator ab142144

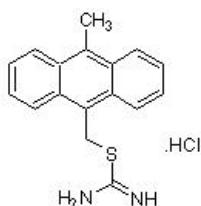
[2 Images](#)

Overview

Product name	NSC 146109 hydrochloride, Cell-permeable p53 activator
Description	Cell-permeable p53 activator
Biological description	Cell-permeable p53 activator. Genotype-selective antitumor agent. Active <i>in vitro</i> .
Purity	> 98%
General notes	This product is manufactured by BioVision, an Abcam company and was previously called 1907 NSC 146109 hydrochloride. 1907-5 is the same size as the 5 mg size of ab142144.

CAS Number 59474-01-0

Chemical structure



Properties

Chemical name	(10-Methylanthracen-9-yl)methyl carbamimidodithioate hydrochloride
Molecular weight	316.85
Molecular formula	C ₁₇ H ₁₆ N ₂ S.HCl
PubChem identifier	16759161
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM and in ethanol to 10 mM
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Refer to SDS for further information.</p>

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

SMILES

CC1=C2C=CC=CC2=C(C3=CC=CC=C13)CSC(=N)N.Cl

Source

Synthetic

Applications

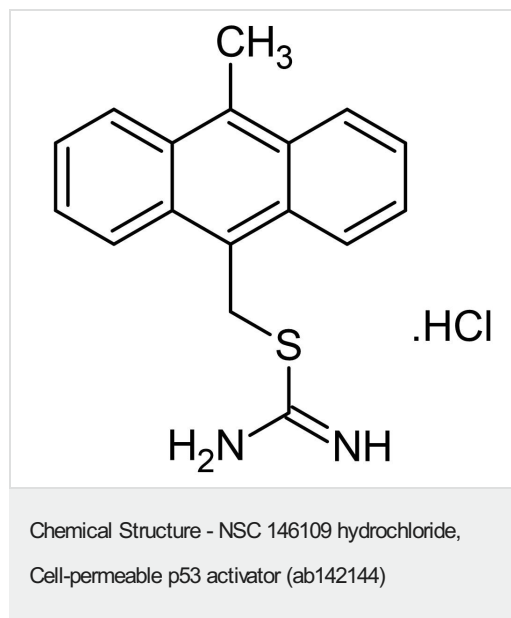
The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab142144 in the following tested applications.

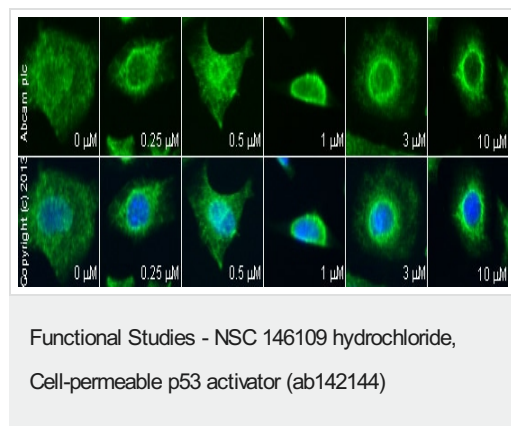
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration.

Images



2D chemical structure image of ab142144, NSC 146109
hydrochloride, Cell-permeable p53 activator



ab26 staining p53 in U2OS cells treated with NSC 146109 hydrochloride (ab142144), by ICC/IF. Increase in p53 expression correlates with increased concentration of NSC 146109 hydrochloride, as described in literature.

The cells were incubated at 37°C for 5 hour in media containing different concentrations of ab142144 (NSC 146109 hydrochloride) in DMSO, fixed with 100% methanol for 5 minutes at -20°C and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab26** (5 µg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 anti-mouse polyclonal antibody (**ab96879**) at 1/250 dilution was used as

the secondary antibody. Nuclei were counterstained with DAPI and are shown in blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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