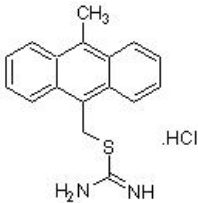


Product datasheet

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% |
| CAS Number | 59474-01-0 |
| Chemical structure |  |

Properties

| | |
|-----------------------------|--|
| Chemical name | (10-Methylanthracen-9-yl)methyl carbamimidothioate 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> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p> |

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

Source Synthetic

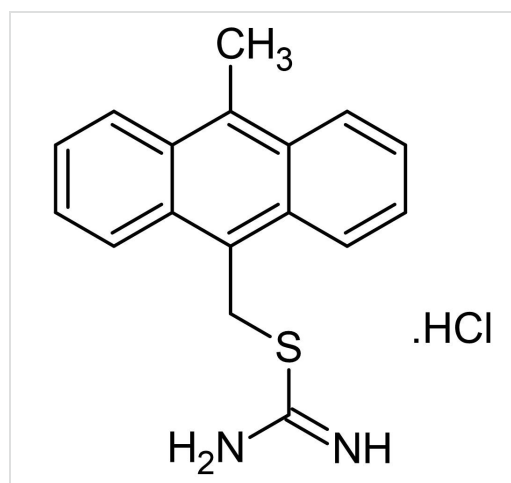
Applications

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.

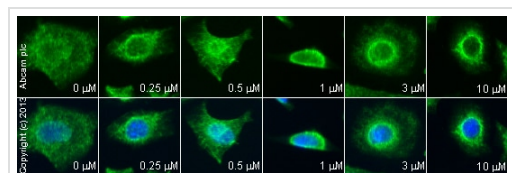
| Application | Abreviews | Notes |
|--------------------|-----------|--|
| Functional Studies | | Use at an assay dependent concentration. |

Images



Chemical Structure - NSC 146109 hydrochloride,
Cell-permeable p53 activator (ab142144)

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



Functional Studies - NSC 146109 hydrochloride,
Cell-permeable p53 activator (ab142144)

[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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