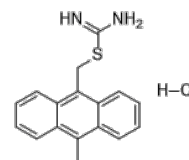


Product Name : NSC146109 hydrochloride
Cat. No. : PC-27805
CAS No. : 59474-01-0
Molecular Formula : C₁₇H₁₇ClN₂S
Molecular Weight : 316.85
Target : MDM2-p53
Solubility : 10 mM in DMSO



Biological Activity

NSC146109 (XI-011) hydrochloride is a small-molecule p53 activator, induces apoptosis of breast cancer cells through inhibiting MDMX (MDM4) expression.

NSC146109 (XI-011) activates p53 by increasing its stability, significantly extends the half-life of p53.

NSC146109 (XI-011) (0.5 uM) induces apoptosis in breast cancer cell MCF-7.

NSC146109 (XI-011) inhibits MDMX gene transcription, decreases the viability of breast cancer cells expressing a low level of MDMX in a less-efficient manner.

NSC146109 (XI-011) decreases the viability of breast cancer cells in collaboration with Nutlin-3a.

References

Hongbo Wang, et al. Neoplasia. 2011 Jul;13(7):611-9.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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