

XI-011, p53 activator / MDM4 inhibitor

| Catalog | Unit |
|--------------|-------|
| TBI4177-5MG | 5 mg |
| TBI4177-25MG | 25 mg |

Product Details

Formal Name: (10-Methylanthracen-9-yl)methyl carbimidothioate hydrochloride

Alternate Name: NSC146109

Molecular Formula: C₁₇H₁₆N₂S·HCl

Formula Weight: 316.9

CAS Number: 59474-01-0

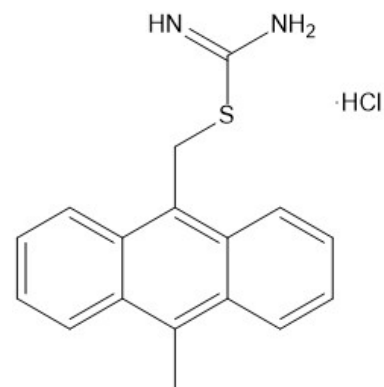
Purity: >98%

Formulation: Powder

Solubility: Soluble in DMSO (25 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

p53 activator / MDM4 inhibitor

Functions

Activates p53 by inhibiting expression of one of its negative regulators, MDM4 (MDMX). It was able to induce apoptosis in MCF-7 breast cancer cells. Acted synergistically with cisplatin in inducing apoptosis in head and neck cancer cells. It also induced apoptosis in several cervical cancer in vitro and in vivo. Displayed efficacy in treating lung fibrosis in an MDM4-dependent manner.

Application Procedures

First dissolved in Soluble in DMSO (25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

For research use only.