

NSC-59984, p53 activator

Catalog	Unit
TBI3148-5MG	5 mg
TBI3148-25MG	25 mg

Product Details

Formal Name: (E)-1-(4-Methylpiperazin-1-yl)-3-(5-nitrofuran-2-yl)prop-2-en-1-one

Molecular Formula: C₁₂H₁₅N₃O₄

Formula Weight: 265.27

CAS Number: 803647-40-7

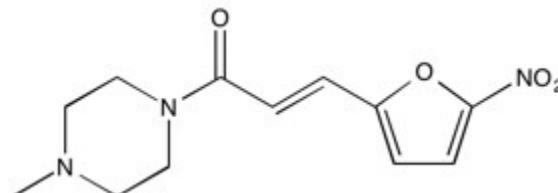
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 20 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.

**Applications**

p53 activator

Functions

p53 activator. Restores wild-type p53 signaling and depletes mutant p53 gain of function. Induces mutant p53 protein degradation via MDM2 and ubiquitin-proteasome pathway. Induces p73-dependent cell death in cancer cells without toxicity toward normal cells. Inhibition of p53-MDM2 interaction remains a viable strategy for cancer therapeutic development.

Application Procedures

First dissolved in DMSO (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.