

## Pifithrin $\alpha$ , p53 inhibitor

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Catalog	Unit
TBI2480-5MG	5 mg
TBI2480-25MG	25 mg

### Product Details

**Formal Name:** 1-(4-Methylphenyl)-2-(4,5,6,7-tetrahydro-2-imino-3(2H)-benzothiazolyl)ethanone · HBr

**Alternate Names:** PFT- $\alpha$

**Molecular Formula:** C<sub>16</sub>H<sub>18</sub>N<sub>2</sub>OS · HBr

**Formula Weight:** 367.31

**CAS Number:** 63208-82-2

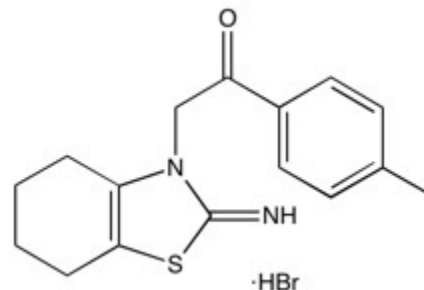
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 25 mg/ml).

**Storage:** -20°C

**Stability:**  $\geq$  1 year.



### Applications

p53 inhibitor

### Functions

Pifithrin  $\alpha$  (63208-82-2) is a reversible inhibitor of p53-mediated transcription and p53-dependent apoptosis. Enhances survival after genotoxic stress and protects against chemotherapeutic side-effects in mice. Suppresses self-renewal of embryonic stem cells. Pifithrin  $\alpha$  protects against neuronal death in models of stroke and neurodegenerative disease. AhR agonist.

### Application Procedures

First dissolved in DMSO (up to 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.**