**Pifithrin-β**

**Cat. No.:** HY-16702  
**CAS No.:** 60477-34-1  
**Molecular Formula:** C₁₆H₁₆N₂S  
**Molecular Weight:** 268.38  
**Target:** MDM-2/p53  
**Pathway:** Apoptosis  
**Storage:** Please store the product under the recommended conditions in the COA.

### BIOLOGICAL ACTIVITY

**Description**  
Pifithrin-β (PFT β) is a potent p53 inhibitor with an IC₅₀ of 23 μM.

**IC₅₀ & Target**  
IC₅₀: 23 μM (p53)[1]

**In Vitro**  
Pifithrin-α, an inhibitor of the p53 protein, is regarded as a lead compound for cancer and neurodegenerative disease therapy. Pifithrin-α is very unstable in culture medium and rapidly converts to its condensation product pifithrin-β (PFT β), the N-acetyl derivative[2]. After 24 h, the viability assay shows that the pretreatments with 1 and 10 μM pifithrin-β exerts neuroprotective effects[3].

### CUSTOMER VALIDATION

- **Front Immunol.** 2020 Feb.  
- **PLoS One.** 2018 Sep 20;13(9):e0203833.

See more customer validations on www.MedChemExpress.com

### REFERENCES


