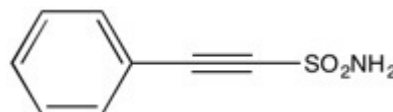


Pifithrin μ , Hsp70 inhibitor

Catalog	Unit
TBI1180-5MG	5 mg
TBI1180-25MG	25 mg

Product Details

Formal Name: 2-Phenylethynylsulfonamide
Alternate Names: PES; NSC-303580
Molecular Formula: C₈H₇NO₂S
Formula Weight: 181.21
CAS Number: 64984-31-2
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (20 mg/ml) or in Ethanol (20 mg/ml).
Storage: -20°C
Stability: ≥ 2 years.



Applications

Hsp70 inhibitor

Functions

Selectively interacts with HSP70 and disrupts its association with co-chaperones and substrate proteins. Inhibits p53 binding to antiapoptotic proteins Bcl-xL and Bcl-2. Rescues primary mouse thymocytes from P53-mediated apoptosis induced by radiation. Inhibits autophagy and enhances the antitumor effect of TRAIL on human pancreatic cancer. Induces p53-independent apoptosis in B-chronic lymphocytic leukemia cells. Cell permeable.

Application Procedures

First dissolved in DMSO (20 mg/ml) or in Ethanol (20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

For research use only.