

Catalog # 10-1180

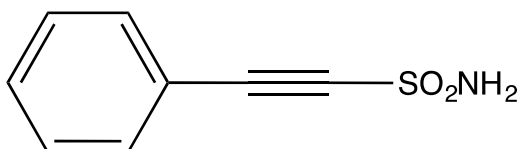
Pifithrin μ

CAS# 64984-31-2

2-Phenylethyneulfonamide

PES, NSC-303580

Lot # X109013



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. Recues primary mouse thymocytes from P53-mediated apoptosis induced by radiation. Cell permeable.

- 1) Leu *et al.* (2009), *The therapeutic potential of p53 reactivation by nutlin-3a in ALK+ anaplastic large cell lymphoma with wild-type or mutated p53.*; Mol. Cell, **36** 15.
- 2) Strom *et al.* (2006), *Small-molecule inhibitor of p53 binding to mitochondria protects mice from gamma radiation.*; Nat. Chem. Biol., **2** 474

PHYSICAL DATA

Molecular Weight:	181.21
Molecular Formula:	C ₈ H ₇ NO ₂ S
Purity:	98% by TLC: NMR: Conforms
Solubility:	DMSO (up to 20 mg/ml), Ethanol (up to 20 mg/ml)
Physical Description:	White or off-white solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 months.

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