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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 



Data Sheet

Research Use Only

Compound Name

Pifithrin μ

Alternative Names

PFTu, NSC 303580, PIF, 2-Phenylethanesulfonamide

Catalog Number

SM29

Activity

Pifithrin μ selectively interacts with HSP70 and disrupts its association with co-chaperones and substrate proteins. It induces apoptosis and is cell permeable. Also, inhibits p53 binding to mitochondria by reducing its affinity for antiapoptotic proteins Bcl-2 and Bcl-XL.

Effect

Pifithrin μ rescues cells from lethal γ -irradiation-induced cell death.

Purity

>98%

CAS

64984-31-2

Formula

$C_8H_7NO_2S$

Molecular Weight

181.20

Solubility

DMSO

Stability

Stable at $-20^{\circ}C$. Keep away from direct sunlight.

References

1. Strom, E., et al. 2006. Nat Chem Biol. 2: 474-479. PMID: 16862141
2. Xu, X., et al. 2010. Biotechnol Prog. 26: 781-788. PMID: 20014103
3. Steele, A.J., et al. 2009. Blood. 114: 1217-1225. PMID: 19515722
4. Vaseva, A.V., et al. 2009. Cell Cycle. 8: 1711-1719. PMID: 19411846
5. Drakos, E., et al. 2009. Leukemia. 23: 2290-2299. PMID: 19741726
6. Hagn, F., et al. 2010. J. Biol. Chem. 285: 3439-3450. PMID: 19955567