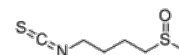


Product Name : Sulforaphane
Cat. No. : PC-63001
CAS No. : 4478-93-7
Molecular Formula : C₆H₁₁NOS₂
Molecular Weight : 177.28
Target : Keap1-Nrf2
Solubility : 10 mM in DMSO



Biological Activity

Sulforaphane (SFN) is an antioxidant agent that exerts protective effects against cell damage by activating **Nrf2**. Sulforaphane protects RLEI6TN cells from oxidative damage, potentially via increasing Nrf2 expression and reducing ROS levels.

Sulforaphane reduces lens epithelial cell growth, migration and viability, and promotes ER stress and autophagy in lens cells.

Sulforaphane also inhibits class I and II HDAC activity and suppresses tumor growth by inducing cell cycle arrest and apoptosis selectively in various cancerous prostate epithelial cells without affecting normal cells.

References

- Jiao Z, et al. *Mol Med Rep.* 2017 Jun 6.
Kim SH, et al. *Oncol Lett.* 2017 Jun;13(6):4427-4432.
Liu H, et al. *J Mol Med (Berl).* 2017 May;95(5):553-564.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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