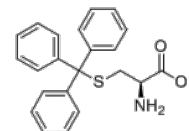


Product Name : S-Trityl-L-cysteine
Cat. No. : PC-62340
CAS No. : 2799-07-7
Molecular Formula : C₂₂H₂₁NO₂S
Molecular Weight : 363.47
Target : Kinesin
Solubility : 10 mM in DMSO



Biological Activity

S-Trityl-L-cysteine (NSC 83265) is a potent, cell-permeable, selective inhibitor of mitotic kinesin **Eg5**, inhibits basal ATPase activity (IC₅₀=1 mM) and microtubule-activated ATPase activity of Eg5 (IC₅₀=140 nM).

S-Trityl-L-cysteine induces mitotic arrest in HeLa cells with an IC₅₀ of 700 nM, and displays antitumor activity.

References

Brier S, et al. *Biochemistry*. 2004 Oct 19;43(41):13072-82.

DeBonis S, et al. *Mol Cancer Ther*. 2004 Sep;3(9):1079-90.

Zhao J, et al. *Am J Cancer Res*. 2014 Jan 15;4(1):42-52.

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

E-mail: tech@probechem.com