

Product Name : S-Trityl-L-cysteine

Synonyms : NSC 83265

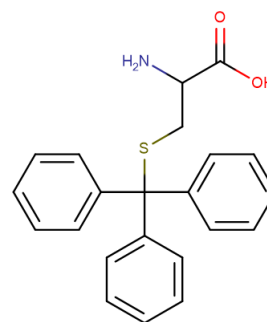
Cat No. : M13853

CAS Number : 2799-07-7

Molecular Formula : C₂₂H₂₁NO₂S

Formula Weight : 363.47

Chemical Name : S-(Triphenylmethyl)-L-cysteine



Description : 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); induces mitotic arrest in HeLa cells with an IC₅₀ of 700 nM, and displays antitumor activity.

Pathway : Cytoskeleton/Cell Adhesion Molecules

Target : Kinesin

Receptor : Kinesin

Solubility : —

SMILES : C1=CC=C(C=C1)C(C2=CC=CC=C2)(C3=CC=CC=C3)SCC(C(=O)O)N

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Brier S, et al. Biochemistry. 2004 Oct 19;43(41):13072-82. 2. DeBonis S, et al. Mol Cancer Ther. 2004 Sep;3(9):1079-90. 3. Zhao J, et al. Am J Cancer Res. 2014 Jan 15;4(1):42-52.