Supporting Information

Dicentrine Analogue-Induced G2/M Arrest and Apoptosis through Inhibition of Topoisomerase II Activity in Human Cancer Cells

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Fig. S1 Flow chart for the synthetic procedures of the analogues. The details are described in the “Materials and Methods” section of the main article.
Fig. S1

D-dicentrine

Ethyl chloroformate

analogue 7

base hydrolysis with KOH

analogue 8

N-alkylation of analogue 8 with various alkyl iodides in DMF

analogue 1 : \( R = \text{CH}_2\text{CH}_3 \)

analogue 2 : \( R = \text{(CH}_2\text{)}_3\text{CH}_3 \)

analogue 3 : \( R = \text{(CH}_2\text{)}_5\text{CH}_3 \)

analogue 4 : \( R = \text{(CH}_2\text{)}_7\text{CH}_3 \)

analogue 5 : \( R = \text{CH}_2\text{CN} \)

analogue 6 : \( R = \text{CH}_2\text{CH}_2\text{OH} \)