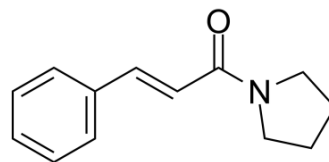


1-Cinnamoylpyrrolidine

Cat. No.:	HY-N1620
CAS No.:	52438-21-8
Molecular Formula:	C ₁₃ H ₁₅ NO
Molecular Weight:	201.26
Target:	DNA Stain; Others
Pathway:	Cell Cycle/DNA Damage; Others
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	1-Cinnamoylpyrrolidine (Compound 3), a crude extract prepared from <i>Piper caninum</i> , is a DNA strand scission agent, induces the relaxation of supercoiled pBR322 plasmid DNA ^[1] . 1-Cinnamoylpyrrolidine (Compound 4) inhibits platelet aggregation induced by PAF with an IC ₅₀ of 37.3 μM ^[2] .
IC ₅₀ & Target	IC50: 37.3 μM (1-Cinnamoylpyrrolidine) ^[2]

REFERENCES

- [1]. Send to Bioorg Med Chem. Ma J, et al. Phenolic acid amides: a new type of DNA strand scission agent from *Piper caninum*. *Bioorg Med Chem*. 2004 Jul 15;12(14):3885-9.
- [2]. Chen IS, et al. Amides with anti-platelet aggregation activity from *Piper taiwanense*. *Fitoterapia*. 2007 Sep;78(6):414-9. Epub 2007 May 24.

Caution: Product has not been fully validated for medical applications. For research use only.

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