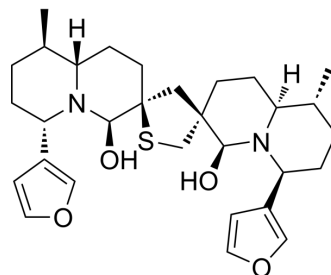


6,6'-Dihydroxythiobinupharidine

Cat. No.:	HY-N12129
CAS No.:	30343-70-5
Molecular Formula:	C ₃₀ H ₄₂ N ₂ O ₄ S
Molecular Weight:	526.73
Target:	Cathepsin
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

6,6'-Dihydroxythiobinupharidine is a cysteine proteases inhibitor. 6,6'-Dihydroxythiobinupharidine can enhance DNA cleavage mediated by human topoisomerase II α and II β ~8-fold and ~3-fold, respectively^{[1][2]}.

REFERENCES

- [1]. Yamahara J, et al. Potent immunosuppressive principles, dimeric sesquiterpenethioalkaloids, isolated from nupharis rhizoma, the rhizoma of *Nuphar pumilum* (nymphaeaceae): structure-requirement of nuphar-alkaloid for immunosuppressive activity. *Biol Pharm Bull.* 1996;19(9):1241-1243.
- [2]. Dalvie ED, et al. 6,6'-Dihydroxythiobinupharidine as a poison of human type II topoisomerases. *Bioorg Med Chem Lett.* 2019;29(15):1881-1885.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA