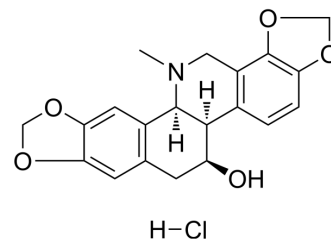


Chelidonine hydrochloride

Cat. No.:	HY-N2369A
CAS No.:	4312-31-6
Molecular Formula:	C ₂₀ H ₂₀ ClNO ₅
Molecular Weight:	389.83
Target:	Apoptosis; Influenza Virus
Pathway:	Apoptosis; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Chelidonine (hydrochloride) is the hydrochloride form of Chelidonine (HY-N2369). Chelidonine, an isoquinoline alkaloid, can be isolated from *Chelidonium majus* L. Chelidonine causes G₂/M arrest and induces caspase-dependent and caspase-independent apoptosis, and prevents cell cycle progression of stem cells in *Dugesia japonica*. Chelidonine has cytotoxic activity against melanoma cell lines. with anticancer and antiviral activity^{[1][2][3]}.

REFERENCES

- [1]. Lee YK, et al. Chelidonine Induces Caspase-Dependent and Caspase-Independent Cell Death through G₂/M Arrest in the T98G Human Glioblastoma Cell Line. *Evid Based Complement Alternat Med*. 2019 May 26;2019:6318179.
- [2]. Isolani ME, et al. The in vivo effect of chelidonine on the stem cell system of planarians. *Eur J Pharmacol*. 2012 Jul 5;686(1-3):1-7.
- [3]. Hammerová J, et al. Benzo[c]phenanthridine alkaloids exhibit strong anti-proliferative activity in malignant melanoma cells regardless of their p53 status. *J Dermatol Sci*. 2011 Apr;62(1):22-35.

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

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