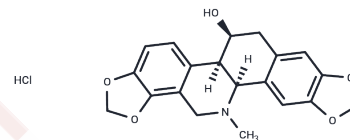


Chelidonine hydrochloride

Chemical Properties

CAS No. :	4312-31-6
Formula:	C ₂₀ H ₂₀ ClNO ₅
Molecular Weight:	389.83
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Chelidonine hydrochloride is one of the alkaloids of Chelidonium majus, which has broad pharmacological activities
Targets(IC50)	Apoptosis,Others,Influenza Virus
In vitro	Chelidonine significantly suppressed LPS-induced the production of NO and PGE ₂ , as well as iNOS and COX-2 mRNA and protein expression.?In addition, pro-inflammatory cytokines induced by LPS, such as TNF α and IL-6 were also attenuated by chelidonine.? What's more, LPS-induced activation and degradation of I κ B α followed by translocation of the p65 from the cytoplasm to the nucleus were attenuated by chelidonine.? Furthermore, chelidonine even significantly inhibited TLR4 expression induced by LPS[1].

Solubility Information

Solubility	DMSO: < 10 mM,Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5652 mL	12.8261 mL	25.6522 mL
5 mM	0.513 mL	2.5652 mL	5.1304 mL
10 mM	0.2565 mL	1.2826 mL	2.5652 mL
50 mM	0.0513 mL	0.2565 mL	0.513 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Wang L , Xiaojie H , Zhuwen Y , et al. Chelidonine suppresses LPS-Induced production of inflammatory mediators through the inhibitory of the TLR4/NF- κ B signaling pathway in RAW264.7 macrophages[J]. *Biomedicine & Pharmacotherapy*, 2018, 107:1151-1159.

Pan J , Yang Y , Zhang R , et al. Enrichment of chelidonine from *Chelidonium majus* L. using macroporous resin and its antifungal activity[J]. *Journal of Chromatography B*, 2017, 1070:7.

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