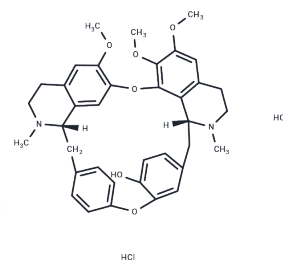


## Berbamine dihydrochloride

## Chemical Properties

CAS No. :	6078-17-7
Formula:	C <sub>37</sub> H <sub>42</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>6</sub>
Molecular Weight:	681.65
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Berbamine dihydrochloride (Berbamine), a natural compound derived from the Berberis amurensis plant, has been shown to exhibit antitumor activity in several Ys.
Targets(IC50)	Apoptosis,NF-κB,Bcr-Abl,Autophagy

## Solubility Information

Solubility	DMSO: 45 mg/mL (66.02 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	1.467 mL	7.3351 mL	14.6703 mL
5 mM	0.2934 mL	1.467 mL	2.9341 mL
10 mM	0.1467 mL	0.7335 mL	1.467 mL
50 mM	0.0293 mL	0.1467 mL	0.2934 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.

## Reference

Jin X, Wu Y. Anat Rec (Hoboken). 2014 May;297(5):802-9.

Wang Y, Wu M, Chen D, et al.SDMA attenuates renal tubulointerstitial fibrosis through inhibition of STAT4.Journal of Translational Medicine.2023, 21(1): 1-13.

Lan J, Luo R, Liu D, et al.A novel high-throughput screen identifies phenazine-1-carboxylic acid as an inhibitor of African swine fever virus replication in primary porcine alveolar macrophages.Veterinary Research.2025, 56: 37.

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