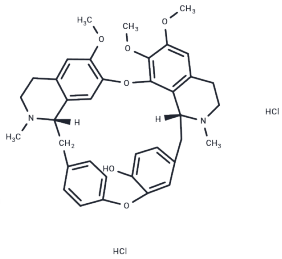
Data Sheet (Cat.No.T2920)

TargetMol

Berbamine dihydrochloride

Chemical Properties



CAS No. : 6078-17-7

Formula: C37H42Cl2N2O6

Molecular Weight: 681.65

Storage: Keep away from direct sunlight,Store under nitrogen
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	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: 135 mg/mL (198.05 mM),Sonication is recommended. H2O: 25 mg/mL (36.68 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (5.87 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

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.

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

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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