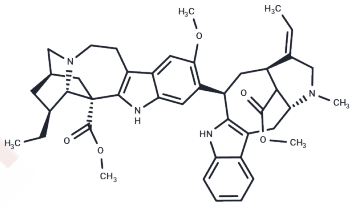
Data Sheet (Cat.No.T2S0271)

TargetMol

Voacamine

Chemical Properties



CAS No. :	3371-85-5
Formula:	C43H52N4O5
Molecular Weight:	704.9
Storage:	Keep away from direct sunlight,Keep away from moisture 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	Voacamine (Voacanginine) is an indole alkaloid. Voacamine exhibits potent cannabinoid CB1 receptor antagonistic activity. Voacamine also inhibits P-glycoprotein (P-gp) action in multidrug-resistant tumor cells.Voacanginine may have rhythmic effects.
Targets(IC50)	Apoptosis,EGFR,Cannabinoid Receptor,Akt,Autophagy,mTOR,P-gp,PI3K

Solubility Information

Solubility	DMSO: 7.05 mg/mL (10 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: 1 mg/mL (1.42 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	1.4186 mL	7.0932 mL	14.1864 mL
5 mM	0.2837 mL	1.4186 mL	2.8373 mL
10 mM	0.1419 mL	0.7093 mL	1.4186 mL
50 mM	0.0284 mL	0.1419 mL	0.2837 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

Condello M , Pellegrini E , Multari G , et al. Voacamine: Alkaloid with its essential dimeric units to reverse tumor multidrug resistance[J]. Toxicology in Vitro, 2020, 65:104819.