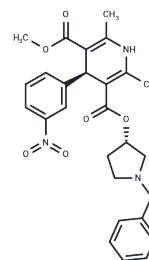


## Barnidipine

## Chemical Properties

CAS No. :	104713-75-9
Formula:	C <sub>27</sub> H <sub>29</sub> N <sub>3</sub> O <sub>6</sub>
Molecular Weight:	491.54
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	Barnidipine (YM-09730-5(Free base)) is a calcium channel blocker.
Targets(IC50)	Calcium Channel

## Solubility Information

Solubility	DMSO: 25 mg/mL (50.86 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	2.0344 mL	10.1721 mL	20.3442 mL
5 mM	0.4069 mL	2.0344 mL	4.0688 mL
10 mM	0.2034 mL	1.0172 mL	2.0344 mL
50 mM	0.0407 mL	0.2034 mL	0.4069 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

Barnidipine ameliorates the vascular and renal injury in L-NAME-induced hypertensive rats[J]. European Journal of Pharmacology, 2015, 764:433-442.

Derosa G , Mugellini A , Pesce R M , et al. Perindopril and barnidipine alone or combined with simvastatin on hepatic steatosis and inflammatory parameters in hypertensive patients[J]. European Journal of Pharmacology, 2015, 766:31-36.

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