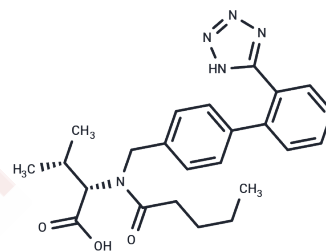


## Valsartan

## Chemical Properties

CAS No. :	137862-53-4
Formula:	C <sub>24</sub> H <sub>29</sub> N <sub>5</sub> O <sub>3</sub>
Molecular Weight:	435.52
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	Valsartan (CGP 48933) is a tetrazole derivative and angiotensin II type 1 receptor blocker that is used to treat hypertension.
Targets(IC50)	RAAS
In vitro	Valsartan is a potent diuretic, ACE inhibitor, calcium antagonist, and $\beta$ -blocker. Valsartan dose-dependently inhibited vasoconstriction of angiotensin II-induced vasoconstriction and lowered blood pressure in a renin-dependent model of hypertension.
In vivo	Valsartan is a potent diuretic, ACE inhibitor, calcium antagonist, and $\beta$ -blocker. Valsartan dose-dependently inhibited vasoconstriction of angiotensin II-induced vasoconstriction and lowered blood pressure in a renin-dependent model of hypertension.

## Solubility Information

Solubility	H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble) DMSO: 250 mg/mL (574.03 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (4.59 mM), Sonication is recommended. <i>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.</i>

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2961 mL	11.4805 mL	22.9611 mL
5 mM	0.4592 mL	2.2961 mL	4.5922 mL
10 mM	0.2296 mL	1.1481 mL	2.2961 mL
50 mM	0.0459 mL	0.2296 mL	0.4592 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

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