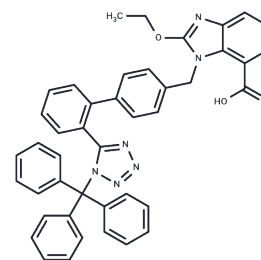


## Trityl candesartan

## Chemical Properties

CAS No. :	139481-72-4
Formula:	C43H34N6O3
Molecular Weight:	682.77
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	Trityl candesartan is a crucial intermediate used in the synthesis of Candesartan and Candesartan cilexetil, which are angiotensin II receptor antagonists.
Targets(IC50)	Others
In vitro	Trityl candesartan behaves as a peroxy radical scavenger. Furthermore, this higher antioxidant activity works in parallel with the improvement of the expansive activity over the angiotensin II-induced contracted human mesangial cells.[1]

## Solubility Information

Solubility	DMSO: 50 mg/mL (73.23 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	1.4646 mL	7.3231 mL	14.6462 mL
5 mM	0.2929 mL	1.4646 mL	2.9292 mL
10 mM	0.1465 mL	0.7323 mL	1.4646 mL
50 mM	0.0293 mL	0.1465 mL	0.2929 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

Islas MS, et al. Improvement of the antihypertensive capacity of candesartan and trityl candesartan by their SOD mimetic copper(II) complexes. J Inorg Biochem. 2013;123:23-33.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481