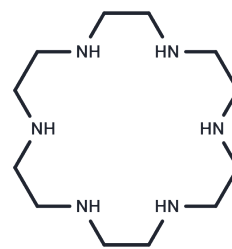


## Hexacyclen

## Chemical Properties

CAS No. :	296-35-5
Formula:	C <sub>12</sub> H <sub>30</sub> N <sub>6</sub>
Molecular Weight:	258.41
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	Hexacyclen is an analogue of 18-crown-6, exhibiting antagonistic and blocking effects on the extracellular calcium-sensing receptor with an EC <sub>50</sub> of 20 μM. Possessing multiple secondary amine groups, Hexacyclen serves as an excellent electron donor and functions as a block copolymer.
Targets(IC <sub>50</sub> )	Others
In vitro	Hexacyclen is a biochemical reagent with application value in the fields of biomaterials or organic compound research, suitable for life science-related studies.

## Solubility Information

Solubility	H <sub>2</sub> O: 80 mg/mL (309.59 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	3.8698 mL	19.3491 mL	38.6982 mL
5 mM	0.774 mL	3.8698 mL	7.7396 mL
10 mM	0.387 mL	1.9349 mL	3.8698 mL
50 mM	0.0774 mL	0.387 mL	0.774 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.

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