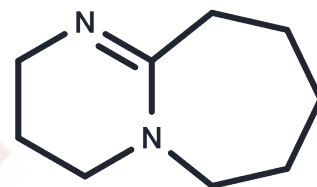


## 1,8-Diazabicyclo[5.4.0]undec-7-ene

## Chemical Properties

CAS No. :	6674-22-2
Formula:	C <sub>9</sub> H <sub>16</sub> N <sub>2</sub>
Molecular Weight:	152.24
Storage:	Pure form: -20°C for 3 years   In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	1,8-Diazabicyclo[5.4.0]undec-7-ene (DBU) is a marine derived natural products found in <i>Niphates digitalis</i> .
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 50 mg/mL (328.43 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	6.5686 mL	32.8429 mL	65.6858 mL
5 mM	1.3137 mL	6.5686 mL	13.1372 mL
10 mM	0.6569 mL	3.2843 mL	6.5686 mL
50 mM	0.1314 mL	0.6569 mL	1.3137 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

Song L, Yang Y, Xie H, Liu E. Cellulose Dissolution and InSitu Grafting in a Reversible System using an Organocatalyst and Carbon Dioxide. *ChemSusChem*. 2015 Oct 12;8(19):3217-21. doi: 10.1002/cssc.201500378. Epub 2015 Jul 28. PMID: 26220825.

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