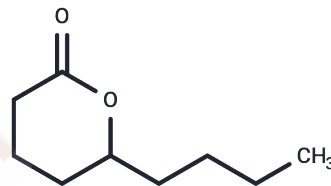


## Delta-Nonalactone

## Chemical Properties

CAS No. : 3301-94-8  
 Formula: C<sub>9</sub>H<sub>16</sub>O<sub>2</sub>  
 Molecular Weight: 156.22  
 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	Delta-Nonalactone exhibits weak agonistic activity against TRPV1 and can be used for metabolic research, and is widely used in biochemical experiments and drug synthesis research.
Targets(IC50)	TRP/TRPV Channel

## Solubility Information

Solubility	DMSO: 180 mg/mL (1152.22 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	6.4012 mL	32.0061 mL	64.0123 mL
5 mM	1.2802 mL	6.4012 mL	12.8025 mL
10 mM	0.6401 mL	3.2006 mL	6.4012 mL
50 mM	0.128 mL	0.6401 mL	1.2802 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

Benson M Wachir, et al. Responses of *Glossina pallidipes* and *Glossina morsitans morsitans* tsetse flies to analogues of  $\delta$ -octalactone and selected blends. *Acta Trop.* 2016 Aug;160:53-7.  
 Benson M Wachira, et al. Blending studies with selected waterbuck odor constituents or analogues in the development of a potent repellent blend against savannah tsetse. *Acta Trop.* 2020 Nov;211:105597.

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