

## 3-Butenoic acid

## Chemical Properties

CAS No. : 625-38-7

Formula: C<sub>4</sub>H<sub>6</sub>O<sub>2</sub>

Molecular Weight: 86.09

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	3-Butenoic acid, also known as Vinylacetic acid, is utilized in the synthesis of 3,6-dihydro-1,2-oxazine that possesses a bicyclic structure. This strained bicyclic compound, when combined with an external alkene, acts as a reactive substrate in domino metathesis reactions.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	11.6158 mL	58.0788 mL	116.1575 mL
5 mM	2.3232 mL	11.6158 mL	23.2315 mL
10 mM	1.1616 mL	5.8079 mL	11.6158 mL
50 mM	0.2323 mL	1.1616 mL	2.3232 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

Géraldine Calvet, et al. Domino metathesis of 3,6-dihydro-1,2-oxazine: access to isoxazolo[2,3-a]pyridin-7-ones. *Org Lett.* 2007 Apr 12;9(8):1485-8.

M A Casado-Rodriguez, et al. Synthesis of vinyl-terminated Au nanoprisms and nanooctahedra mediated by 3-butenoic acid: direct Au@pNIPAM fabrication with improved SERS capabilities. *Nanoscale.* 2016 Feb 28;8(8):4557-64.

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Tel:781-999-4286

E\_mail:info@targetmol.com

Address:34 Washington Street,Wellesley Hills,MA 02481