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**Product Data Sheet**

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Product Name: 3-Butenoic acid

Cat. No.: GC61720

**Chemical Properties**

Cas. No. 625-38-7

SMILES C=CCC(O)=OFormula C4H6O2

M.Wt 86.09

Solubility DMSO : 100 mg/mL (1161.58 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

3-Butenoic acid (Vinylacetic acid) can be used to synthesize bicyclic 3,6-dihydro-1,2-oxazine. Strained bicyclic 3,6-dihydro-1,2-oxazine is a reactive substrate in domino metathesis with an external alkene[1][2].

[1]. 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. [2]. 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.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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