

## Product Data Sheet

Product Name: 3-Methyl-1H-pyrrole-2,5-dione

Cat. No.: GF29890

### Chemical Properties

Cas. No. 1072-87-3

Formula  $C_5H_5NO_2$

M.Wt 111.1

Solubility

Storage -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

Citraconimide is a 3-methylmaleimide derivative. Citraconimide has thiol affinity and can undergo highly regioselective addition with a variety of alkyl thiols. Citraconimide derivatives show growth

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

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inhibitory activity against HeLa cells. Citraconimide can be modified by N-substitution, halogenation and other reactions for use in bioactive molecule design and drug development research<sup>[1]</sup>.

### References:

[1]. Earl, R.A., et al. Chemical investigations of citraconimide†. Journal of Heterocyclic Chemistry, 15: 1479-1483.

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