
Product Data Sheet

Product Name: Dihydrofuran-3(2H)-one

Cat. No.: GC60775

Chemical Properties

Cas. No. 22929-52-8

SMILES O=C1COCC1Formula 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**

Dihydrofuran-3(2H)-one (3-Oxotetrahydrofuran) is used for synthesizing cyclic ketone inhibitors that inhibits the serine protease plasmin[1].

[1]. Xue F, et al. Structure-activity studies of cyclic ketone inhibitors of the serine protease plasmin: design, synthesis, and biological activity. Bioorg Med Chem. 2006 Dec 15;14(24):8467-87.

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

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