
Product Data Sheet

Product Name: α -Hydroxyglutaric acid disodium

Cat. No.: GC26265

Chemical Properties

Cas. No. 40951-21-1

Formula $C_5H_6Na_2O_5$

M.Wt 192.08

Solubility H₂O : 125 mg/mL (650.77 mM; ultrasonic and warming and heat to 60°C)

Storage -20°C, sealed storage, away from moisture

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**

α -Hydroxyglutaric acid (2-Hydroxyglutarate) disodium is an α -hydroxy acid form of glutaric acid. α -Hydroxyglutaric acid disodium is a competitive inhibitor of multiple α -ketoglutarate-dependent dioxygenases, including histone demethylases and the TET family of 5-methylcytosine (5mC) hydroxylases.

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

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