

## 2-Ketoglutaric acid potassium

## Chemical Properties

CAS No. : 997-43-3

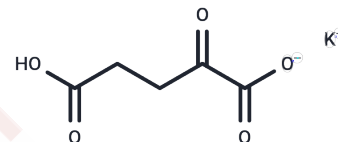
Formula: C<sub>5</sub>H<sub>5</sub>KO<sub>5</sub>

Molecular Weight: 184.19

Keep away from moisture

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	2-Ketoglutaric acid potassium (Alpha-Ketoglutaric acid potassium) is an intermediate in the Krebs cycle where ATP or GTP is produced. It also serves as the primary carbon backbone in nitrogen assimilation reactions. Additionally, 2-Ketoglutaric acid potassium acts as a reversible inhibitor of tyrosinase with an IC <sub>50</sub> value of 15 mM.
Targets(IC <sub>50</sub> )	Endogenous Metabolite, TNF, Tyrosinase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4292 mL	27.1459 mL	54.2918 mL
5 mM	1.0858 mL	5.4292 mL	10.8584 mL
10 mM	0.5429 mL	2.7146 mL	5.4292 mL
50 mM	0.1086 mL	0.5429 mL	1.0858 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel: 781-999-4286

E\_mail: info@targetmol.com

Address: 34 Washington Street, Wellesley Hills, MA 02481