

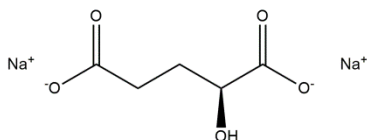
L- α -Hydroxyglutaric Acid Disodium Salt

5/19

ALTERNATE NAMES: disodium;(2S)-2-hydroxypentanedioate, Sodium (S)-2-hydroxypentanedioate, Disodium (S)-2-hydroxyglutarate, (S)-2-Hydroxypentanedioic acid disodium salt

CATALOG #: B2812-5 5 mg
B2812-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₅H₆Na₂O₅

MOLECULAR WEIGHT: 192.08

CAS NUMBER: 63512-50-5

APPEARANCE: Crystalline solid

PURITY: ≥95%

SOLUBILITY: ~10 mg/ml in PBS

DESCRIPTION: L- α -Hydroxyglutaric Acid is metabolized to 2-oxoglutarate or α -ketoglutarate by L-2-hydroxyglutarate dehydrogenase. Rare defects in L-2-hydroxyglutarate dehydrogenase cause a neurometabolic disorder characterized by 2-hydroxyglutaric aciduria. High concentrations of L- α -Hydroxyglutaric Acid inhibit histone lysine demethylases, which might promote oncogenesis. 2-hydroxyglutarate can be used in the collection buffer to improve HIF-1 α recovery from tumor specimens.

STORAGE TEMPERATURE: -20°C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

IOX1 ((Cat. No. 2266)
 2,4-Pyridinedicarboxylic Acid (Cat. No. B2809)
 DiscoveryPak™ Epigenetic Modulators Set III (Cat. No. S220)
 Daminozide (Cat. No. 2438)
 GSK-LSD1 dihydrochloride (Cat. No. B1258)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*