

# DL-threo-2-methylisocitrate

Catalog No: tcsc1170



## Available Sizes

**Size:** 1mg

**Size:** 5mg

**Size:** 10mg



## Specifications

**CAS No:**

71183-66-9

**Formula:**

$C_7H_{10}O_7$

**Pathway:**

Others

**Target:**

Others

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

206.15

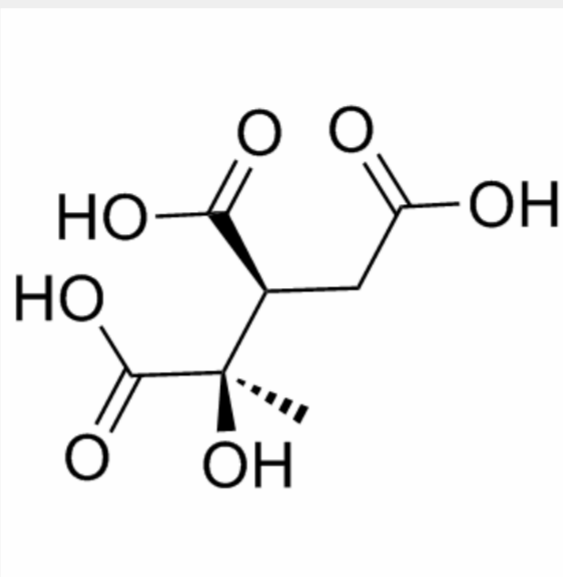
## Product Description

DL-threo-2-methylisocitrate is a substrate of isocitrate lyase 1(ICL1).

IC50 value:

Target:

The  $K_m$  of purified recombinant ICL1 for threo-D(s)L(s)-isocitrate (ICA) was determined to be 188  $\mu\text{M}$  using Michaelis-Menten non-linear least squares fit, with a  $k_{cat}$  of 5.24  $\text{s}^{-1}$ . The  $K_m$  for DL-threo-2-methylisocitrate (MICA) was approximately fourfold higher at 718  $\mu\text{M}$  with a  $k_{cat}$  of 1.25  $\text{s}^{-1}$ .



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!