

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

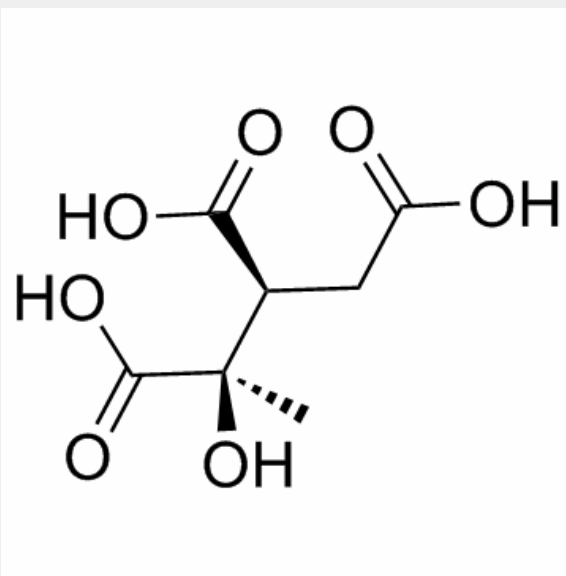
Product Description

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 μM using Michaelis-Menten non-linear least squares fit, with a k_{cat} of 5.24 s^{-1} . The K_m for DL-threo-2-methylisocitrate (MICA) was approximately fourfold higher at 718 μM with a k_{cat} of 1.25 s^{-1} .



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