

DL-threo-2-methylisocitrate (sodium)

Catalog No: tcsc1954



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

Formula:

$C_{14}H_{14}Na_6O_{14}$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

544.19

Product Description

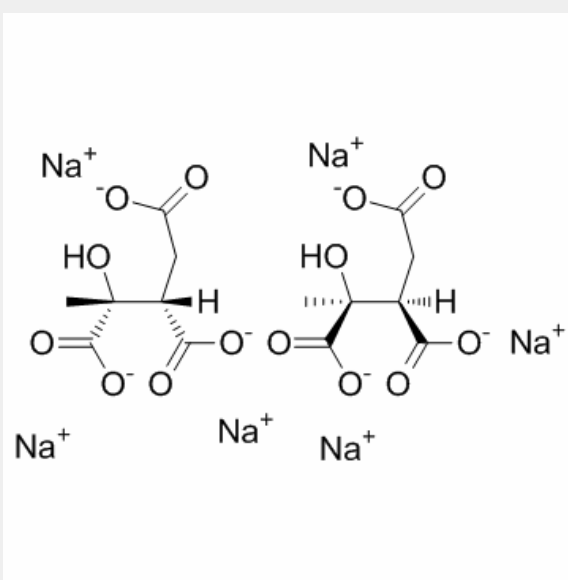
DL-threo-2-methylisocitrate is a substrate of isocitrate lyase 1(ICL1).

IC50 value:

Target:

The Km of purified recombinant ICL1 for threo-D(s)L(s)-isocitrate (ICA) was determined to be 188 μ M 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 μ M with a k_{cat} of 1.25 s⁻¹.



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