

2-Methylbutyrylcarnitine chloride

Chemical Properties

CAS No. :

Formula: C₁₂H₂₄ClNO₄

Molecular Weight: 281.78

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-Methylbutyrylcarnitine (chloride) acts as a gut microbial metabolite that targets integrin $\alpha 2\beta 1$ on platelets, facilitating the activation of cytosolic phospholipase A2 (cPLA2) and enhancing platelet hyperresponsiveness. This compound further augments platelet hyperreactivity and promotes thrombus formation in mice. It is also characterized as a branched-chain acylcarnitine.
Targets(IC50)	Endogenous Metabolite,Integrin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5489 mL	17.7443 mL	35.4887 mL
5 mM	0.7098 mL	3.5489 mL	7.0977 mL
10 mM	0.3549 mL	1.7744 mL	3.5489 mL
50 mM	0.071 mL	0.3549 mL	0.7098 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