Data Sheet (Cat.No.T2S0850)

TargetMol

Malic acid

Chemical Properties

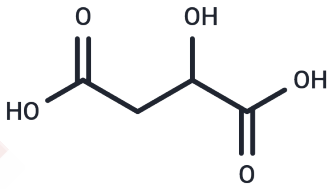
CAS No. : 6915-15-7

Formula: C4H6O5

Molecular Weight: 134.09

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	1. Malic acid (Pomalus acid) did reduce populations of L. monocytogenes on poultry. 2. Malic acid supplementation may be useful for conservative treatment of calcium renal stone disease by virtue of its capacity to induce these effects.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 45 mg/mL (335.6 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.4577 mL	37.2884 mL	74.5768 mL
5 mM	1.4915 mL	7.4577 mL	14.9154 mL
10 mM	0.7458 mL	3.7288 mL	7.4577 mL
50 mM	0.1492 mL	0.7458 mL	1.4915 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.

Reference

González fandos E, Herrera B. Efficacy of malic acid against attached to poultry skin during refrigerated storage[J]. Poultry Science, 2006, 101(6):1331-1339.

Hwang Y H, Jang S A, Kim T, et al. Anti-osteoporotic and Anti-adipogenic Effects of Rhus chinensis Nutgalls in Ovariectomized Mice Fed with a High-fat Diet. Planta Medica. 2019, 85(14/15): 1128-1135

Hwang Y H, Jang S A, Kim T, et al. Anti-osteoporotic and Anti-adipogenic Effects of Rhus chinensis Nutgalls in Ovariectomized Mice Fed with a High-fat Diet[J]. Planta medica. 2019.

Gong S, Zhai M, Shi J, et al.TREM2 macrophage promotes cardiac repair in myocardial infarction by reprogramming metabolism via SLC25A53.Cell Death & Differentiation.2024: 1-15.

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