

Product Datasheet

cis,cis-Muconic acid (orb1301666)

Catalog Number	orb1301666
Category	Small Molecules
Description	cis,cis-Muconic acid is a natural dicarboxylic acid serving as a key biosynthetic precursor for commercially important plastics like nylon and polyethylene terephthalate (PET). It is produced microbially via engineered shikimate pathways and is widely used in metabolic engineering and polymer research.
Target	Endogenous Metabolite,Others,Antibacterial
Purity	97.48% (May vary between batches)
MW	142.11
Target Areas	Others Antibacterial Endogenous Metabolite
Solubility (25°C)	10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (14.07 mM);DMSO:20 mg/mL (140.74 mM)
CAS Number	1119-72-8
Formula	C ₆ H ₆ O ₄
SMILES	C(/C=C\C(O)=O)=C/C(O)=O
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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