

<b>Product Name</b>	: Suberic acid
<b>Synonyms</b>	: Octanedioic acid; 18-Octanedioic acid
<b>Cat No.</b>	: M19610
<b>CAS Number</b>	: 505-48-6
<b>Molecular Formula</b>	: C <sub>8</sub> H <sub>14</sub> O <sub>4</sub>
<b>Formula Weight</b>	: 174.19
<b>Chemical Name</b>	: —
<b>Description</b>	: Suberic acid is present in the urine of patients with fatty acid oxidation disorders. A metabolic breakdown product derived from oleic acid. Elevated levels of this unsaturated dicarboxylic acid are found in individuals with medium-chain acyl-CoA dehydrogenase deficiency (MCAD). Suberic acid is also associated with carnitine-acylcarnitine translocase deficiency malonyl-CoA decarboxylase deficiency.
<b>Pathway</b>	: Others
<b>Target</b>	: Other Targets
<b>Receptor</b>	: Others
<b>Solubility</b>	: DMSO: 10 mM; Water: 1.6 mg/mL
<b>SMILES</b>	: OC(=O)CCCCCCC(O)=O
<b>Storage</b>	: (-20°C)
<b>Stability</b>	: ≥ 2 years
<b>Reference</b>	:

1. Gregersen N et al. General (medium-chain) acyl-CoA dehydrogenase deficiency (non-ketotic dicarboxylic aciduria): quantitative urinary excretion pattern of 23 biologically significant organic acids in three cases. Clin Chim Acta. 1983 Aug 15;132(2):181-91.