

<b>Product Name</b>	: (S)-Coriolic acid
<b>Synonyms</b>	: —
<b>Cat No.</b>	: M34990
<b>CAS Number</b>	: 29623-28-7
<b>Molecular Formula</b>	: C <sub>18</sub> H <sub>32</sub> O <sub>3</sub>
<b>Formula Weight</b>	: 296.44
<b>Chemical Name</b>	: —
<b>Description</b>	: (S)-Coriolic acid (13(S)-HODE), the product of 15-lipoxygenase (15-LOX) metabolism of linoleic acid, functions as the endogenous ligand to activate PPAR $\gamma$ . (S)-Coriolic acid is an important intracellular signal agent and is involved in cell proliferation and differentiation in various biological systems. (S)-Coriolic acid induces mitochondrial dysfunction and airway epithelial injury.
<b>Pathway</b>	: Immunology/Inflammation
<b>Target</b>	: Lipoxygenase
<b>Receptor</b>	: Lipoxygenase   Mitochondrial Metabolism   PPAR
<b>Solubility</b>	: —
<b>SMILES</b>	: <chem>C(=C/C=C\CCCCCCCC(=O)=O)[C@H](CCCC)O</chem>
<b>Storage</b>	: (-20°C)
<b>Stability</b>	: $\geq 2$ years
<b>Reference</b>	:

1. Mabalirajan U, et al. Linoleic acid metabolite drives severe asthma by causing airway epithelial injury. Sci Rep. 2013;3:1349.?