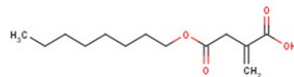


Product Name	: 4-Octyl itaconate
Synonyms	: 4-Octyl Itaconate; 4 Octyl Itaconate; 4-Octyl-Itaconate
Cat No.	: M18412
CAS Number	: 3133-16-2
Molecular Formula	: C ₁₃ H ₂₂ O ₄
Formula Weight	: 242.31
Chemical Name	: 2-Methylene-4-(octyloxy)-4-oxobutanoic acid
Description	: 4-Octyl Itaconate is a cell permeable activator of Nrf2 which inhibits LPS-induced increases in IL-1β mRNA, HIF-1α, and IL-10 in macrophages.
Pathway	: Others
Target	: Other Targets
Receptor	: Keap1-Nrf2
Solubility	: DMSO : ≥ 150 mg/mL; 619.04 mM
SMILES	: <chem>CCCCCCCCOC(=O)CC(=C)C(=O)O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Mills EL, et al. Itaconate is an anti-inflammatory metabolite that activates Nrf2 via alkylation of KEAP1. Nature. 2018 Apr 5;556(7699):113-117.