

# Chem-Impex International, Inc.

---

**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

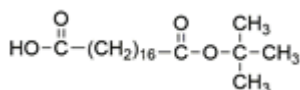
**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---

## Product Specifications



<b>Catalogue Number</b>	37440
<b>Product</b>	<b>Octadecanedioic acid mono-<i>tert</i>-butyl ester</b> 18-( <i>tert</i> -Butoxy)-18-oxooctadecanoic acid Mono- <i>tert</i> -butyl octadecanedioate
<b>CAS Number</b>	843666-40-0
<b>Molecular Formula</b>	C <sub>22</sub> H <sub>42</sub> O <sub>4</sub>
<b>Molecular Weight</b>	370.57

---

<b>Synonym 3</b>	tert-Butyl hydrogen octadecanedioate
<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (0.2 g in 10 mL DMF)
<b>Loss on Drying</b>	≤ 0.5%
<b>Related Substances</b>	18 Diacid : ≤ 1% 16 Monoester : ≤ 0.1% 20 Monoester : ≤ 0.1% Maximum unknown single impurity : ≤ 0.2%
<b>Assay</b>	≥ 99% (HPLC)
<b>Purity by HPLC</b>	≥ 99%
<b>Application</b>	18-( <i>tert</i> -Butoxy)-18-oxooctadecanoic acid) is a short linker featuring a carboxylic acid and a <i>tert</i> -butyl ester. Carboxylic acids can be reacted with alcohols or amines, while the <i>tert</i> -butyl ester can be deprotected and further connected to another molecule.
<b>Storage</b>	Store at RT

**For Laboratory Use Only**