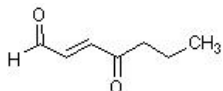


## Product datasheet

# 4-Oxo-2-nonenal (4-ONE), TRPA1 activator ab120878

### Overview

<b>Product name</b>	4-Oxo-2-nonenal (4-ONE), TRPA1 activator
<b>Description</b>	Lipid peroxidation product. TRPA1 activator.
<b>Biological description</b>	Lipid peroxidation product, actively modifies histidine and lysine residues on proteins and causes protein cross-linking. Shows a variety of biological activities and is a TRPA1 activator (EC <sub>50</sub> = 1.9 μM). Active <i>in vivo</i> .
<b>Purity</b>	> 98%
<b>CAS Number</b>	103560-62-9
<b>Chemical structure</b>	

### Properties

<b>Chemical name</b>	4-Oxo-2E-nonenal
<b>Molecular weight</b>	154.21
<b>Molecular formula</b>	C <sub>9</sub> H <sub>14</sub> O <sub>2</sub>
<b>Storage instructions</b>	Store at -80°C.
<b>Solubility overview</b>	Supplied in methyl acetate (5 mg/ml)
<b>Handling</b>	<p>Providing storage is as stated on the product vial and the vial is kept tightly sealed, the product can be stored for up to 6 months. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.</p>
<b>SMILES</b>	CCCCC(=O)/C=CC=O
<b>Source</b>	Synthetic

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
  
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team