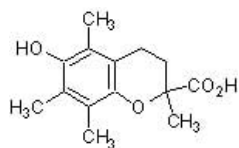


# Trolox, Antioxidant vitamin E derivative ab120747

**2 References** [画像数 2](#)

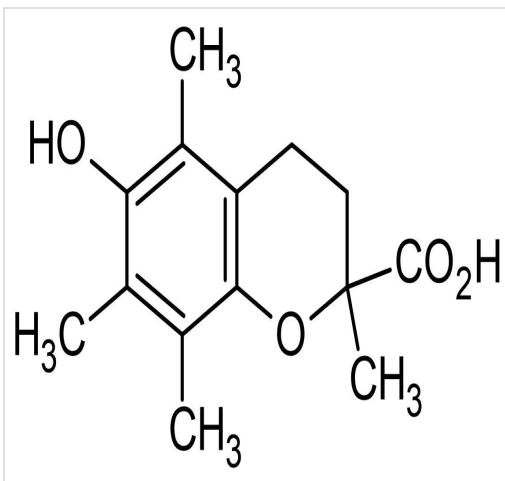
### 製品の概要

製品名	Trolox, Antioxidant vitamin E derivative
製品の詳細	Antioxidant vitamin E derivative
生理活性の詳細	Antioxidant vitamin E derivative. Exhibits lipid peroxidizing, DPPH° scavenging and HO° scavenging activity. Regularly used as an antioxidant standard. Cell-permeable and water soluble.
精製度	> 98%
CAS 番号	53188-07-1
構造式	

### 製品の特性

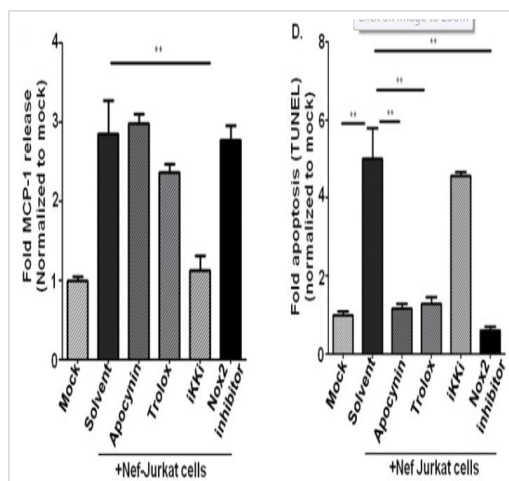
体系名	3,4-Dihydro-6-hydroxy-2,5,7,8-tetramethyl-2H-1-benzopyran-2-carboxylic acid
分子量	250.29
分子式	C <sub>14</sub> H <sub>18</sub> O <sub>4</sub>
保存方法	Store at Room Temperature. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 100 mM and in ethanol to 100 mM
使用に関する注意	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. 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>Refer to SDS for further information.</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>
由来	Synthetic

### 画像



Chemical Structure - Trolox, Antioxidant vitamin E derivative (ab120747)

2D chemical structure image of ab120747, Trolox, Antioxidant vitamin E derivative



Cellular activation - Trolox, Antioxidant vitamin E derivative (ab120747)

Image from Wang T, et al. Plos One, 9(3), e91063. Fig 6C and D,; doi: 10.1371/journal.pone.0091063

Endothelial cells were cocultured with Nef-transfected Jurkat cells for 24 h, and then treated with apocynin (200 nM), trolox (200 nM), Nox2 inhibitor (1  $\mu$ M) or IKKi (100 nM) and incubated an additional 18 h, then analyzed for Nef-induced MCP-1 production (C) and apoptosis of endothelial cells (D). Data were expressed as fold MCP-1 production and apoptosis, normalized to the mean of control measurements.

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

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