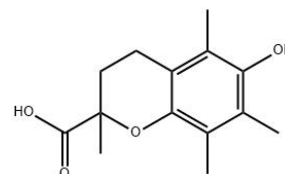


Technical Data Sheet

Trolox

Compound Information

Product Name:	Trolox
CAS No.:	53188-07-1
Molecular Formula:	C ₁₄ H ₁₈ O ₄
Molecular Weight:	250.29
Storage:	Store at +4°C
Revision Date:	2026-04-27



Analytical Information

Tests	Specifications
Description	Trolox is a vitamin E analogue that has powerful antioxidant properties. Trolox is a scavenger of ROS. Trolox is also a ferroptosis inhibitor.
IUPAC Name	3,4-Dihydro-6-hydroxy-2,5,7,8-tetramethyl-2H-1-benzopyran-2-carboxylic acid
Form	Crystalline Powder
Color	White to faintly beige
Solubility	Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 25 mg/ml). Also soluble in Water at alkaline pH.
HPLC	Shows 99.5% purity
1H NMR	Pass test

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