



Product Information

Trolox

Cat. No.: X22-05-ZQ136

Size: 20 mg; 50 mg; 100 mg; 200 mg

MDL: MFCD00006846

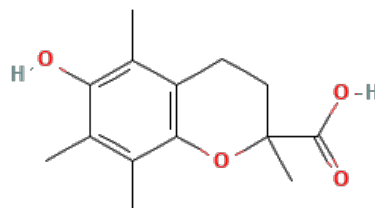
CAS Number: 53188-07-1

Compound CID: 40634

Synonym: 53188-07-1; Trolox;

6-Hydroxy-2,5,7,8-tetramethyl-3,4-dihydrochromene-2-carboxylic acid

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Trolox is an antioxidant vitamin E derivative that suppresses osteoclast formation and inhibits IL-1-induced osteoclast bone loss. It also inhibits ferroptosis. This product can be used for research in the fields of medicine and pharmacy.
Molecular Weight	250.29
Molecular Formula	C ₁₄ H ₁₈ O ₄
IUPAC Name	6-Hydroxy-2,5,7,8-tetramethyl-3,4-dihydrochromene-2-carboxylic acid
InChI	InChI=1S/C14H18O4/c1-7-8(2)12-10(9(3)11(7)15)5-6-14(4,18-12)13(16)17/h15H,5-6H2,1-4H3,(H,16,17)
InChI Key	GLEVLJDDWXEYCO-UHFFFAOYSA-N
Canonical SMILES	CC1=C(C2=C(CCC(O2)(C)C(=O)O)C(=C1O)C)C
Form	Powder
Purity	≥98%, determined by HPLC.
Identity	Confirmed by MS and NMR.
Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Trolox can be used for research in the fields of medicine and pharmacy.
Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Gloves, eyeshields, N95 mask



Equipment
