



Certificate of Analysis

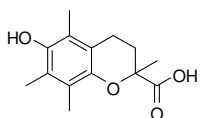
Axon Catalogue ID: 3514 **Batch Number:** 1

Product Name: Trolox

Alternative Name(s): N.A.

IUPAC Name: 6-Hydroxy-2,5,7,8-tetramethylchroman-2-carboxylic acid

Structure:



Amount:

CAS number(s): 53188-07-1

Molecular Formula: C₁₄H₁₈O₄

Molecular Weight: 250.29

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Appearance: White solid

Observed mp: >185 °C (decomp)

TLC (R_f): 0.38 DCM/MeOH (9:1)

Chemical Purity: 99.5%

¹H-NMR: Analytical data confirm chemical structure

Mass Spec: Analytical data confirm chemical structure

Microanalysis: Calculated: C 67.18, H 7.25, N 0.00; Found: C 67.27, H 7.33, N <0.10

Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)	12.0	47.9	
	0.1N HCl (aq)			Not Tested
	DMSO	25.0	>100 mM	
	EtOH	25.0	>100 mM	

Remarks: Suspected to be electrostatic.

QC Date: 4-11-2021

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only