Trolox Inhibitor

PRODUCT OVERVIEW

Product Name	Trolox, Inhibitor
Full Product Name	Trolox
Form/Format	Powder
Purity/Purification	>98%
Molecular Weight	250.3
Bio-Activity	Antioxidant, water soluble
Solubility	Soluble in DMSO (25mg/ml); or ethanol (25mg/ml); or water at alkaline pH
Chemical Name	6-Hydroxy-2,5,7,8-etramethylchroman-2-carboxylic acid
CAS #	53188-07-1
Molecular Formula	C14H18O4
Product Categories/Family for Trolox, inhibitor	Cell death; cellular stress; neuroscience; Small Molecule; Modulators
Related Product Information for Trolox, inhibitor	Trolox is a water soluble derivative of vitamin E with potent antioxidant and radical scavenging activities (1). In Hep G2 cells, it stops lipid peroxidation induced by CYP2E1 (2). Trolox also inhibits peroxynitrite-mediated oxidative stress and apoptosis in rat thymocytes (3). It decreases the amount of impaired proliferation of oxidatively stressed myoblasts overexpressing parkin interacting substrate (PARIS/ZNF746) (4). It has been used to compare the antioxidant capacity of other compounds (5) and reference standard for determination of "trolox equivalents" (6).
Other Notes	Small volumes of Trolox, inhibitor vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Trolox purchase	MBS556539 is an inhibitor targeting Trolox.

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Online datasheet: https://www.mybiosource.com/inhibitor/trolox/556539