

Oxidative Stress



Antibodies • Proteins • Kits • Small Molecules

Oxidative Stress Small Molecules

Oxidative stress describes the steady state level of oxidative damage in a cell, tissue, or organ, caused by the reactive oxygen species (ROS). This damage can have a widespread effect on an entire organism, or on just a single molecule. It is caused by an imbalance between the production of reactive oxygen and a biological system's ability to readily detoxify the reactive intermediates or easily repair the resulting damage.

Description	Structure	Catalog No.	Size
Ambroxol HCl $C_{13}H_{18}Br_2N_2O \cdot HCl$ CAS#: 23828-92-4 Free radical scavenger		SIH-153	50mg/500mg
Bis-BHT $C_{29}H_{44}O_2$ CAS#: 118-82-1 Phenolic antioxidant		SIH-154	100mg/500mg
DMPO $C_6H_{11}NO$ CAS#: 3317-61-1 Nitronne adduct formation		SIH-324	25mg/125mg
Hinokitiol $C_{10}H_{12}O_3$ CAS#: 499-44-6 Iron chelator antioxidant		SIH-151	50mg/250mg
Idebenone $C_{19}H_{30}O_5$ CAS#: 58186-27-9 Quinone antioxidant and free radical scavenger		SIH-150	20mg/100mg
MCI-186 $C_{10}H_{10}N_2O$ CAS#: 89-25-8 Free radical scavenger		SIH-152	50mg/250mg
Piperlongumine $C_{17}H_{19}NO_5$ CAS#: 20069-09-4 Apoptosis inducer in oxidative stressed cells		SIH-156	20mg/100mg
TEMPO $C_9H_{18}NO$ CAS#: 2564-83-2 Stabilized free radical		SIH-155	500mg
Xanthohumol $C_{21}H_{22}O_5$ CAS#: 6754-58-1 Autophagy inhibitor		SIH-370	10mg/50mg