

PRODUCT: Elesclomol (STA-4783)

ALTERNATE NAME: N'1,N'3-dimethyl-N'1,N'3-di(phenylcarbonothioyl)malonohydrazide; STA4783

CATALOG #: B1815-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₁₉H₂₀N₄O₂S₂

MOLECULAR WEIGHT: 400.52

CAS NUMBER: 488832-69-5

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO (>20 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: Elesclomol is a novel anticancer agent that displays oxidative stress induction, pro-apoptotic, and potential antineoplastic activities. The mechanism underlying the proapoptotic activity of elesclomol is through the induction of ROS (reactive oxygen species) and oxidative stress. Elesclomol rapidly induces ROS in cancer cells, generating a transcription profile characteristic of an oxidative stress response.

REFERENCES: Lu, J., *et al.* (2008). *Cancer Res.* **68**, 9384-9393.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Ascorbic Acid Assay Kit (**Cat. No. K661-100**)

Ascorbic Acid Assay Kit II (FRASC) (**Cat. No. K671-100**)

Caffeic Acid (**Cat. No. 2006-100, 500**)

Carnosic Acid (**Cat. No. 2075-5, 25**)

Catalase Assay kit (**Cat. No. K773-100**)

Deferoxamine Mesylate (**1883-500, 1000**)

(-)-Epigallocatechin gallate (**Cat. No. 1841-50**)

FeTPPS (**Cat. No. 2065-25, 100**)

Glutathione (GSH/GSSG Total) Assay Kit (**Cat. No. K264-100**)

Glutathione Colorimetric Assay Kit (**Cat. No. K261-100**)

Glutathione Fluorometric Assay Kit (**Cat. No. K251-100**)

Glutathione Peroxidase Assay Kit (**Cat. No. K762-100**)

Glutathione Reductase Assay Kit (**Cat. No. K761-100**)

GST Colorimetric Assay Kit (**Cat. No. K263-100**)

GST Fluorometric Assay Kit (**Cat. No. K263-100**)

Hydrogen Peroxide Assay Kit (**Cat. No. K265-100**)

Luteolin (**Cat. No. 2005-5, 25**)

MnTBAP Chloride (**Cat. No. 2058-10, 50**)

MnTMPyp Pentachloride (**Cat. No. 2056-10, 50**)

Nitric Oxide Colorimetric Assay Kit (**Cat. No. K263-100**)

Nitric Oxide Fluorometric Assay Kit (**Cat. No. K252-100**)

Piceatannol (**Cat. No. 2072-5, 25**)

Piperlongumine (**Cat. No. 1919-10, 50**)

Piperlonguminine (**Cat. No. 1988-10, 50**)

Pterostilbene (**Cat. No. 2073-5, 25**)

Resveratrol (**Cat. No. 1758-100, 500**)

Rhapontigenin (**Cat. No. 2074-1, 5**)

Rosmarinic Acid (**Cat. No. 1843-50, 250**)

SOD Activity Assay Kit (**Cat. No. K335-100**)

Thioredoxin Reductase Assay Kit (**Cat. No. K763-100**)

Tiliroside (**Cat. No. 1879-1,5**)

Total Antioxidant Capacity Assay Kit (**Cat. No. K274-100**)

Trolox (**Cat. No. 2076-50, 250**)

Uric Acid Assay Kit (**Cat. No. K608-100**)

Xanthine Oxidase Assay Kit (**Cat. No. K710-100**)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**