BioVision

rev.01/14

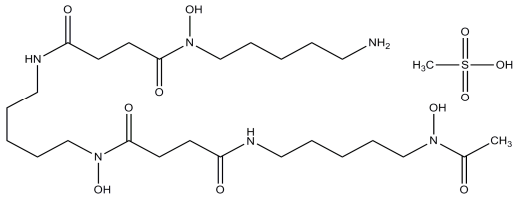
Deferoxamine Mesylate

ALTERNATE NAME: DFOM, Deferoxamine methanesulfonate salt, Desferrioxamine mesylate salt

CATALOG #: 1883-500, 1000

AMOUNT: 500 mg, 1g

STRUCTURE:



MOLECULAR FORMULA: $C_{25}H_{48}N_6O_8 \cdot CH_4O_3S$

MOLECULAR WEIGHT: 656.79

CAS NUMBER: 138-14-7

APPEARANCE: White to off-white solid

SOLUBILITY: H_2O (~ 50 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20℃

DESCRIPTION: An iron chelator used for the treatment of acute iron intoxication and of chronic iron overload due to transfusion-dependent anemias. Has been shown to have anti-proliferative effects on vascular smooth muscle cells *in vitro* and *in vivo* and to arrest cells in the G1 phase. Induces apoptosis in HL-60 cells by chelating iron. In addition, it has been shown to have antioxidant properties and to protect cells against H_2O_2-induced damage.

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)**
- Catalase Assay kit **(Cat. No. K773-100)**
- (-)-Epigallocatechin gallate **(Cat. No. 1841-50)**
- 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)**
- Nitric Oxide Colorimetric Assay Kit **(Cat. No. K263-100)**
- Nitric Oxide Fluorometric Assay Kit **(Cat. No. K252-100)**
- Resveratrol **(Cat. No. 1758-100, 500)**
- 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)**
- Uric Acid Assay Kit **(Cat. No. K608-100)**
- Xanthine Oxidase Assay Kit **(Cat. No. K710-100)**

FOR RESEARCH USE ONLY! Not to be used on humans.

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