

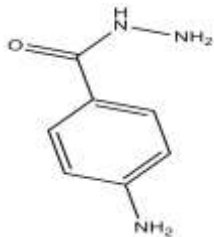
Myeloperoxidase Inhibitor

ALTERNATE NAME: 4-Aminobenzoic hydrazide; MPO Inhibitor; 4-ABH

CATALOG #: 1977-100, 500

AMOUNT: 100 mg, 500 mg

STRUCTURE:



MOLECULAR FORMULA: C₇H₉N₃O

MOLECULAR WEIGHT: 151.17

CAS NUMBER: 5351-17-7

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO

PURITY: ≥95% by HPLC

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

DESCRIPTION: A potent, irreversible, and specific inhibitor of the peroxidation activity of myeloperoxidase (MPO; IC₅₀ = 300 nM). Does not affect catalase or glutathione peroxidase activities. Also displays no effect on the production of superoxide by neutrophils. Shown to inhibit H₂O₂-induced apoptosis in HL-60, human leukemia cells.

REFERENCE: Kettle, A.J., *et al.* (1995). *Biochem. J.* 308 (Pt.2), 559-563.

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

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

RELATED PRODUCTS:

- Myeloperoxidase Antibody (Cat. No. 3831-100)
- Myeloperoxidase Blocking Peptide (Cat. No. 3831BP-50)
- Myeloperoxidase Colorimetric Activity Assay Kit (Cat. No. K744-100)
- Myeloperoxidase Fluorometric Activity Assay Kit (Cat. No. K745-100)
- Myeloperoxidase, human neutrophil (Cat. No. 4744-100)