

Product Data Sheet

Product Name: Myeloperoxidase, Human Neutrophil

Cat. No.: GC78975

Chemical Properties

Cas. No.

Formula

M.Wt

Solubility

Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Myeloperoxidase, Human Neutrophil

Background

Myeloperoxidase, Human Neutrophil is a peroxidase. Myeloperoxidase, Human Neutrophil is a potent antibacterial agent by catalyzing the H₂O₂-dependent oxidation of chloride anion to

Caution: Product has not been fully validated for medical applications. For research use only.

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generate hypochlorous acid. Myeloperoxidase, Human Neutrophil catalyzes the degradation of N-retinyl-idene-N-retinylethanolamine, a toxic form of retinal lipofuscin. Myeloperoxidase, Human Neutrophil also triggers lysosomal stress and cell death. Myeloperoxidase, Human Neutrophil can be used for the researches of inflammation and infection [1].

References:

[1]. Yogalingam G, et al. Cellular Uptake and Delivery of Myeloperoxidase to Lysosomes Promote Lipofuscin Degradation and Lysosomal Stress in Retinal Cells. J Biol Chem. 2017 Mar 10;292(10):4255-4265.

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