

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN

MYELOPEROXIDASE

PRONUNCIATION

my" el oh per ox' i dase

THERAPEUTIC CLAIM

Treatment or prevention of infections caused by bacteria, fungi or viruses

CHEMICAL NAMES

1. Peroxidase
2. human myeloperoxidase (MPO, EC 1.11.1.7), dimer (155-155')-disulfide

STRUCTURAL FORMULA

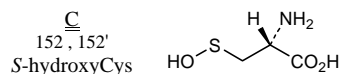
Monomer light chain

VTCPEQDKYR	TITGMCNRR	SPTLGASNRA	FVRWLP AEYE	DGFSLPYGWT	50
PGVKRNGFPV	ALARAVSNEI	VRFPDQLTP	DQERSLMFMQ	WGQLLDHLD	100
FTPEPAARAS	FVTG				114

Monomer heavy chain / Chaîne lourde du monomère/ Cadena pesada del monómero

	VNCETS	CVQQPPCFPL	KIPPNDPRIK	NQADCIPFFR	150
SCPACPGSNI	TIRNQINALT	SFVDASMVYG	SEEP LARNLR	NMSNQLGLLA	200
VNQRFDNGR	ALLPFDNLHD	DPCLLTNRSA	RIPCFLAGDT	RSSEMPELTS	250
MHTLLLREHN	RLATELKSLN	PRWDGERLYQ	EARKIVGAMV	QIITYRDYLP	300
LVLGPTAMRK	YLPTYRSYND	SVDPRIANVF	TNAFRYGH TL	IQPFMFRLDN	350
RYQPMENPR	VPLSRVFFAS	WRVVLEGGID	PILRGLMATP	AKLNRQNQIA	400
VDEIRERLFE	QVMRIGLDLP	ALNMQRSRDH	GLPGYNARR	FCGLPQPETV	450
GQLGTVLRNL	KLARKLMEQY	GTPNNIDIWM	GGVSEPLKRR	GRVGPLLACI	500
IGTQFRKLRD	GDRFWWENEG	VFSMQRQAL	AQISLPRIIC	DNTGITT VSK	550
NNIFMSNSYP	RDFVNCSTLP	ALNLSWREA	S		581

Modified residues



Disulfide bridges location

3-16	3'-16'	117-127	117'-127'	121-145	121'-145'	155-155'
223-234	223'-234'	442-499	442'-499'	540-566	540'-566'	

Glycosylation sites (N)

Asn-159	Asn-159'	Asn-191	Asn-191'	Asn-227	Asn-227'	Asn-319	Asn-319'
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MOLECULAR FORMULA

$\text{C}_{5854}\text{H}_{9188}\text{N}_{1698}\text{O}_{1678}\text{S}_{64}$

MOLECULAR WEIGHT

132.3 kDa

TRADEMARK

None as yet

MANUFACTURER

Exoxemis

CODE DESIGNATION

MPO; component of E-101

CAS REGISTRY NUMBER

9003-99-0