STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN	CALASPARGASE PEGOL
PRONUNCIATION	kal as' par jase peg' ol
THERAPEUTIC CLAIM	Antineoplastic

CHEMICAL NAMES

1. Asparaginase (*Escherichia coli* isoenzyme II), conjugate with α-[[(2,5-dioxo-1-pyrrolidinyl)oxy]carbonyl]-ω-methoxypoly(oxy-1,2-ethanediyl)

2. [27-alanine,64-aspartic acid,252-threonine,263-asparagine]-L-asparaginase 2 (EC 3.5.1.1, L-asparagine amidohydrolase II) *Escherichia coli* (strain K12) tetramer α_4, carbamates with α-carboxy-ω-methoxypoly(oxyethylene)

STRUCTURAL FORMULA

Monomer

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LPNITILATG  GTIAGGGDSA  TKSNYTAGKV  GVENLVNAVP  QLKDIANVKG   50
EQVVNIGSQD  MNDDVWLTLA  KKINTDCDKT  DGFVITHGTD  TMEETAYFLD  100
LTVKCDKPVV  MVGAMRPSTS  MSADGPFNLY  NAVVTAADKA  SANRGVLVVM  150
NDTVLDGRDV  TKTNTTDVAT  FKSVNYGPLG  YIHNGKIDYQ  RTPARKHTSD  200
TPFDVSKLNE  LPKVGIVYNY  ANASDLPAKA  LVDAGYDGIV  SAGVGNGNLY  250
KTVFDTLATA  AKNGTAVVRS  SRVPTGATTQ  DAEVDDAKYG  FVASGTLNPQ  300
KARVLLQLAL  TQTKDPQQIQ  QIFNQY                              326
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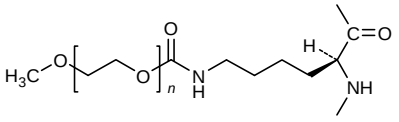
Modified residues

Approximately 9 out of the 22 K
22-29-43-49-71-72-79-104-107-139-162-172
186-196-207-213-229-251-262-288-301-314



n ≈ 112

Disulfide bridges location

77-105	77'-105'	77'''-105'''	77''''-105''''

MOLECULAR FORMULA	$C_{1516}H_{2423}N_{415}O_{492}S_8$ (peptide monomer)
MOLECULAR WEIGHT	approximately 313 kDa
TRADEMARK	None as yet
SPONSOR	Sigma-Tau Pharmaceuticals
CODE DESIGNATION	EZN-2285
CAS REGISTRY NUMBER	941577-06-6