

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (GH-163)	PEGZILARGINASE
PRONUNCIATION	peg" zil ar' ji nase
THERAPEUTIC CLAIM	Treatment of arginase 1 deficiency, treatment of cancer

CHEMICAL NAMES

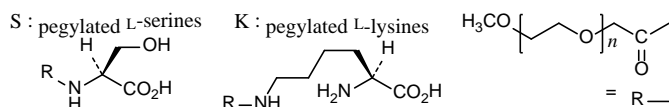
1. Poly(oxy-1,2-ethanediyl), α -(carboxymethyl)- ω -methoxy-, amide with arginase 1 [cobalt cofactor] (synthetic human) (1:10), trimer
2. Des-Met¹-arginase-1 (liver-type arginase, EC 3.5.3.1) (*Homo sapiens*) from which manganese has been replaced with cobalt, an average of 10 primary amines (of N-terminal serines and N⁶-lysines) are amidified with [methoxypoly(ethyleneoxy)]acetyl, non-covalent homotrimer, produced in *Escherichia coli*

STRUCTURAL FORMULA

Monomer sequence

SAKSRTIGII	GAPFSKQPR	GGVEEGPTVL	RKAGLLEKLK	EQECDVKDYG	50
DLPFADIPND	SPFQIVKNPR	SVGKASEQLA	GKVAEVKKNK	RISLVLGGDH	100
SLAIGSISGH	ARVHFDLGI	WVDAHTDINT	PLTTTSGNLH	GQPVSFLLKE	150
LKGIKIPDVP	FSWVTPCISA	KDIVYIGLRD	VDPGEHYILK	TLGIKYFSMT	200
EVDRLGIGKV	MEETLSYLLG	RKKRPIHLSF	DVDGLDPSFT	PATGTPVVG	250
LTYREGLYIT	EIIYKTGLLS	GLDIMEVNPS	LGKTPEEVTR	TVNTAVAITL	300
ACFGLAREGN	HKPIDYLNPP	K			321

Potential modified residues



MOLECULAR FORMULA	$\text{C}_{1554}\text{H}_{2492}\text{N}_{416}\text{O}_{463}\text{S}_6 [\text{C}_3\text{H}_4\text{O}_2 (\text{C}_2\text{H}_4\text{O})_n]_a$ monomer
MOLECULAR WEIGHT	284 kDa for the trimer
TRADEMARK	None as yet
SPONSOR	Aeglea Biotherapeutics
CODE DESIGNATIONS	AEB1102
CAS REGISTRY NUMBER	1659310-95-8

UNII

4YV4KW88GD

WHO NUMBER

10594

gbk