

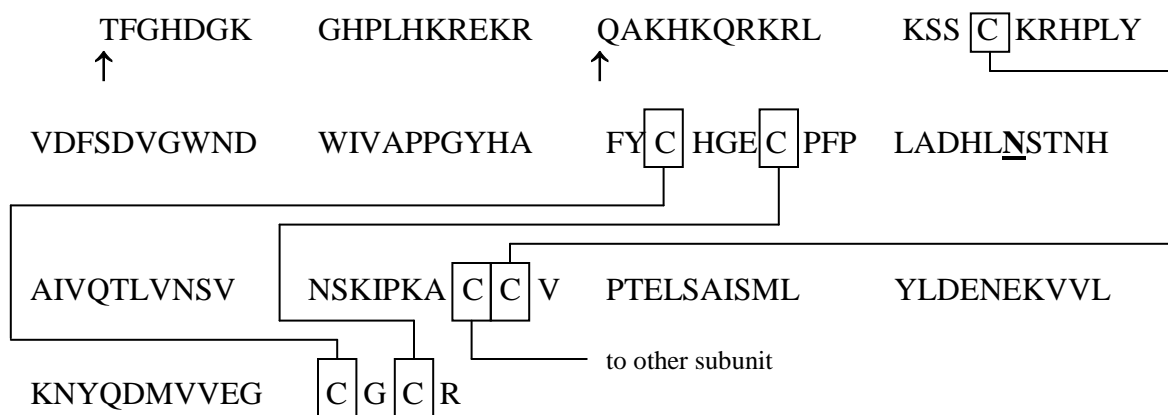
STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL:

USAN	DIBOTERMIN ALFA
PRONUNCIATION	dye boe' ter min
THERAPEUTIC CLAIM	osteoinductive agent for use in orthopaedic surgery, dental/craniofacial surgery, or spine surgery, as an adjunct to standard care or as a replacement for autogenous bone graft

CHEMICAL NAME

bone morphogenetic protein 2 (human recombinant rhBMP-2)

STRUCTURAL FORMULA (Amino Acid Sequence of Monomer Species)



↑ = NH₂-terminal processing sites
N = N-linked glycosylation site
 Lines = disulfide bonds

Dibotermín alfa is a glycosylated (oligomannosidic), disulfide-linked dimeric protein consisting of all combinations of the two N-terminal processed subunits. The N-terminal glutamine may also exist as pyroglutamic acid, as a result of spontaneous cyclization of N-terminal glutamine to pyroglutamate.

MOLECULAR WEIGHT	approximately 28-33 kD (dimer) approximately 14-17 kD (monomer)
TRADEMARK	Unknown as yet
MANUFACTURER	Wyeth
<u>CAS</u> REGISTRY NUMBER	246539-15-1