

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN incobotulinumtoxinA

PRONUNCIATION in" koe bot" ue lye' num tox" in ay"

THERAPEUTIC CLAIM Treatment of spasticity, cervical dystonia, benign essential blepharospasm and glabellar lines

CHEMICAL NAMES

1. Botulinum Toxin A
2. highly purified Botulinum neurotoxin type A (free from complexing proteins)

STRUCTURAL FORMULA

1 PFV NKQFN YK DPV NGVDIAY IKIPNAGQMQ PVKAFKIH NK IWVIPERDTF
51 TNPEEGDLNP PPEAKQVPVS YYDSTYLSTD NEKDNYLKGV TKL FERIYST
101 DLGRMLLTSI VRGIPFWGGS TIDTELKVID TNCINVIQPD GSYRSEELNL
151 VIIGPSADII QFECKSFGHE VLNLTRNGYG STQYIRFSPD FTFGFEE SLE
201 VDTNPLL GAG KFATDPAVTL AHEL IHAGHR LYGIAINPNR VFKVNTNAYY
251 EMSGLEVSFE ELRTFGGHDA KFIDSLQENE FRLYYYNKFK DIAS TLNKAK
301 SIVGTTASLQ YMKNVFKEKY LLS EDTSGKF SVDKLKF DKL YKMLTEIYTE
351 DNFVKFFKVL NRKTYLNF DK AVFKINIVPK VNYTIYDGFN LRNTNLAANF
401 NGQNT E INNM NFKLKNFTG LFEFYKLLCV RGIITSKTKS LDKGYNKALN
451 DLCIKVNNWD LFFSPSEDNF TNDLNKGEEI TS DTNIEAAE ENISLDLIQQ
501 YYLTFNFDNE PENISIENLS SDIIGQLELM PNIERFPNGK KYELDKYTMF
551 HYLRAQEF EH GKSRIALTNS VNEALLNPSR VYTFSSDYV KKVNKATEAA
601 MFLGWVEQLV YDFTDETSEV STTDKIADIT IIPYIGPAL NIGNMLYKDD
651 FVGALIFSGA VILLEFIPEI AIPVLGTFAL VSYIANKVLT VQTIDNALS K
701 RNEKWDEVYK YIVTNWLAKV NTQIDLIRKK MKEALENQAE ATKAIINYQY
751 NQYTEEEKNN INFNIDDLSS KLNESINKAM ININKFLNQC SVSYLMNSMI
801 PYGVKRL EDF DASLKDALLK YIYDNRGT LI GQVDRLKDKV NNTLSTDIPF
851 QLSKYVDNQR LLSTFTEYIK NIINTSILNL RYESNHLIDL SRYASKINIG
901 SKVNFDPIDK NQIQLFNLES SKIEVILKNA IVYNSMYENF STSFWIRIPK
951 YFNSISLNNE YTIINCMENN SGWKVSLNYG EIIWTLQDTQ EIKQRVVF KY
1001 SQMINISDYI NRWIFVTITN NRLNNSKIYI NGR LIDQKPI SNLGNIHASN
1051 NIMFKLDGCR DTHRYIWI KY FNLFDKELNE KEIKDLYDNQ SNSGILKDFW
1101 GDYLQYDKPY YMLNLYDPNK YVDVNNVGIR GMYLKGPRG SVMTTNIYLN
1151 SSLYRGTKFI IKKYASGNKD NIVRNNDRVY INVVVKNKEY RLATNASQAG
1201 VEKILSALEI PDVGNLSQVV VMKSKNDQGI TNKCKMNLQD NNGNDIGFIG
1251 FHQFN NI AKL VASNWYNRQI ERSSRTL GCS WEFIPVDDGW GERPL

The processed protein consists of a light chain (precursor amino acid 1 – 437) and a heavy chain (precursor amino acids 448 – 1295) linked by a disulphide bridge between the cysteines at protein 429 and 453 of the precursor protein (respectively position 6 of the heavy chain).

MOLECULAR FORMULA

Light Chain: $C_{2286}H_{3500}N_{578}O_{666}S_9$
Heavy Chain: $C_{4422}H_{6863}N_{1151}O_{1329}S_{23}$

MOLECULAR WEIGHT

150 kD

TRADEMARK

Xeomin[®]; Bocouture[®]

MANUFACTURER

Merz Pharmaceuticals GmbH

CODE DESIGNATION

NT 201

CAS REGISTRY NUMBER

93384-43-1