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SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Bedinvetmab

Cat. No.:	HY-P99297
CAS No.:	2171034-69-6
Target:	Trk Receptor
Pathway:	Neuronal Signaling; Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Bedinvetmab (ZTS-00508841) is a canine monoclonal antibody (mAb) targeting nerve growth factor (NGF). Bedinvetmab inhibits NGF interaction with tropomyosin receptor kinase A (trkA) and p75 neurotrophin receptor (p75NTR) receptors. Bedinvetmab can be used for the research of osteoarthritis pain in dogs ^{[1][2]} .
In Vivo	Bedinvetmab (0.5-1 mg/kg; s.c. for 28 d) alleviates the pain associated with canine osteoarthritis ^[1] . Bedinvetmab (1 mg/kg; s.c. monthly; 3× and 10× dose multiples) is well tolerated in normal laboratory Beagle dogs for 6 months and with 2 weeks' concurrent NSAID administration ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Corral MJ, et, al. A prospective, randomized, blinded, placebo-controlled multisite clinical study of bedinvetmab, a canine monoclonal antibody targeting nerve growth factor, in dogs with osteoarthritis. *Vet Anaesth Analg*. 2021 Nov;48(6):943-955.

[2]. Krautmann M, et, al. Laboratory safety evaluation of bedinvetmab, a canine anti-nerve growth factor monoclonal antibody, in dogs. *Vet J*. 2021 Oct;276:105733.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA