PRODUCT INFORMATION

Vosoritide (acetate)

Item No. 46391

Formal Name: L-prolylglycyl-L-glutaminyl-L-α-glutamyl-L-histidyl-L-prolyl-L-asparaginyl-L-alanyl-L-arginyl-L-lysyl-L-tyrosyl-L-lysylglycyl-L-alanyl-L-asparaginyl-L-lysyl-L-lysylglycyl-L-leucyl-L-seryl-L-lysylglycyl-L-cysteinyl-L-phenylalanylglycyl-L-leucyl-L-lysyl-L-leucyl-L-α-aspartyl-L-arginyl-L-isoleucylglycyl-L-seryl-L-methionyl-L-serylglycyl-L-leucylglycyl-L-cysteine, cyclic (23→39)-disulfide, acetate

Synonym: BMN 111

Peptide Sequence: PGQEHPNARKYKGANKKGLSKG[CFGLKLDRIGSMSGLGC]-OH

MF: $C_{176}H_{290}N_{56}O_{51}S_3 \bullet XC_2H_4O_2$

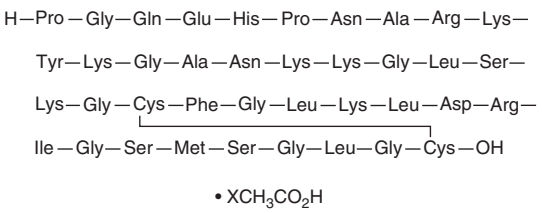
FW: 4,102.8

Purity: ≥98%

Supplied as: A solid

Storage: -20°C

Stability: ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Vosoritide (acetate) is supplied as a solid. A stock solution may be made by dissolving the vosoritide (acetate) in the solvent of choice, which should be purged with an inert gas. Vosoritide (acetate) is sparingly soluble (1-10 mg/ml) in acetonitrile:water (1:1).

Description

Vosoritide is a peptide agonist of natriuretic peptide receptor-B (NPR-B) and a derivative of C-type natriuretic peptide (CNP).[1] It increases the bone length, number of differentiated chondrocytes, and size of the hypertrophic zone in femur explants from a mouse model of achondroplasia. Vosoritide (800 µg/kg, s.c.) increases skull size, skull flattening, tibia and fibula length, and growth-plate size in the same model. Formulations containing vosoritide have been used in the treatment of achondroplasia.

Reference

1. Lorget, F., Kaci, N., Peng, J., *et al.* Evaluation of the therapeutic potential of a CNP analog in a *Fgfr3* mouse model recapitulating achondroplasia. *Am. J. Hum. Genet.* **91(6)**, 1108-1114 (2012).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 09/14/2026

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM