**PRODUCT INFORMATION**

**BXL-628**  
Item No. 23129

**CAS Registry No.:** 199798-84-0  
**Formal Name:** (1R,3Z,5S)-3-[(2E)-2-[(3aS,7aS)-1-[(1S,3E)-5-ethyl-5-hydroxy-1-methyl-3-hepten-1-yl]-3,3a,5,6,7,7a-hexahydro-7a-methyl-4H-inden-4-ylidene]ethylidene]-5-fluoro-4-methylene-cyclohexanol  
**Synonyms:** Elocalcitol, Ro 26-9228  
**MF:** C_{29}H_{43}FO_{2}  
**FW:** 442.7  
**Purity:** ≥ 98%  
**Supplied as:** A crystalline solid  
**Storage:** -20°C  
**Stability:** ≥ 2 years

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

**Description**

BXL-628 is an analog of vitamin D₃ (Item No. 11792) that has diverse biological activities.¹⁻³ It increases death of androgen-stimulated human benign prostatic hyperplasia (BPH) cells via induction of apoptosis in a dose-dependent manner.¹ In vivo, BXL-628 completely inhibits androgen-stimulated prostate overgrowth in a rat model of BPH. It reduces expression of IL-13 and IgE/mast cell-derived protease 1 (MMCP1) and decreases edema and leukocyte infiltration in the bladder wall in a mouse model of allergen-induced interstitial cystitis.² BXL-628 also reduces the number of adherent endometrial stromal cells and decreases the total weight of endometrial lesions in a mouse model of endometriosis.³ Formulations containing BXL-628 are under clinical investigation for the treatment of BPH.

**References**