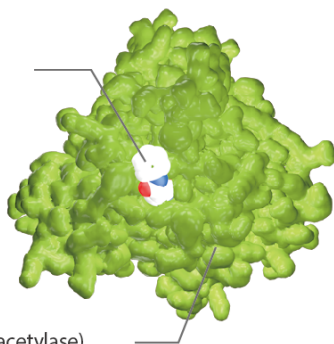


# Procollagen C Proteinase

HDAC Inhibitor:  
Vorinostat (SAHA)



HDAC (Histone deacetylase)

Procollagen C proteinase (PCP) and its enhancer protein (PCPE) are key to collagen fibril-assembly and extracellular matrix formation. PCP cleaves the carboxyl-propeptides of procollagens types I, II, and III and this initiates the self-assembly of collagen fibrils. PCP can also process pro-lysyl oxidase and laminin 5, and it may cleave the type V procollagen N-propeptides. Procollagen processing by PCP is stimulated by PCPE, a glycoprotein that binds to the C-propeptide of type I procollagen through its N-terminal CUB domains. PCP/BMP-1 related proteases can activate TGF- $\beta$ -like growth factors. PCPs have important biological functions in addition to their role in collagen fibril assembly.

## Procollagen C Proteinase Inhibitors & Modulators

UK-383367

Cat. No.: HY-13102

**Bioactivity:** UK-383367 (UK 383367) is a potent and selective inhibitor of BMP-1 (procollagen C-proteinase) with IC<sub>50</sub> of 44 nM; Selective for BMP-1 over MMPs 1, 2, 3, 9 and 14 (IC<sub>50</sub> values are >10,000 nM for listed MMPs). IC<sub>50</sub> value: 44 nM Target: procollagen C-proteinase UK-383367 (UK 383367) is useful for...

**Purity:** >98%

**Clinical Data:** No Development Reported

**Size:** 5 mg, 10 mg, 25 mg

