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Inhibitors, Screening Libraries, Proteins

Procollagen C Proteinase

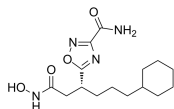
Procollagen C proteinase (PCP) and its enhancer protein (PCPE) are key to collagen fibril-assembly and extracellular matrix formation. PCP cleaves the carboxyl-propeptides of procollagens types I, II, and III and this initiates the self-assembly of collagen fibrils. PCP can also process pro-lysyl oxidase 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- β -like growth factors. PCPs have important biological functions in addition to their role in collagen fibril assembly.

Procollagen C Proteinase Inhibitor

UK-383367

Cat. No.: HY-13102

UK-383367 (UK 383367) is a potent and selective inhibitor of BMP-1 (procollagen C-proteinase) with IC₅₀ of 44 nM; Selective for BMP-1 over MMPs 1, 2, 3, 9 and 14 (IC₅₀ values are >10,000 nM for listed MMPs).



Purity: 99.92%

Clinical Data: No Development Reported

Size: 5 mg, 10 mg