Creative Enzymes®

costunolide synthase

Cat. No. EXWM-0721

Lot. No. (See product label)

Introduction

Description	A heme-thiolate protein (P-450). The enzyme hydroxylates carbon C-6 of germacra-1(10),4,11(13)-trien-12-oate to give 6α-hydroxygermacra-1(10),4,11(13)-trien-12-oate, which probably spontaneously cyclises to form the lactone ring.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.14.13.120
Reaction	germacra-1(10),4,11(13)-trien-12-oate + NADPH + H+ + O2 = (+)-costunolide + NADP+ + 2 H2O
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.