Creative Enzymes®

aclacinomycin-N oxidase

Cat. No. EXWM-0418

Lot. No. (See product label)

Introduction

Description	A flavoprotein (FAD). This bifunctional enzyme is a secreted flavin-dependent enzyme that is involved in the modification of the terminal sugar residues in the biosynthesis of aclacinomycins. The enzyme utilizes the same active site to catalyse the oxidation of the rhodinose moiety of aclacinomycin N to the cinerulose A moiety of aclacinomycin A and the oxidation of the latter to the L-aculose moiety of aclacinomycin Y (cf. EC 1.3.3.14, aclacinomycin A oxidase).
Synonyms	AknOx (ambiguous); aclacinomycin oxidoreductase (ambiguous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 1.1.3.45
Reaction	aclacinomycin N + O2 = aclacinomycin A + H2O2
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 ℃.