Creative Enzymes®

acetylajmaline esterase

Cat. No. EXWM-3509

Lot. No. (See product label)

Introduction

Description	This plant enzyme is responsible for the last stages in the biosynthesis of the indole alkaloid ajmaline. The enzyme is highly specific for the substrates 17-O-acetylajmaline and 17-O-acetylnorajmaline as the structurally related acetylated alkaloids vinorine, vomilenine, 1,2-dihydrovomilenine and 1,2-dihydroraucaffricine cannot act as substrates. This is a novel member of the GDSL family of serine esterases/lipases.
Synonyms	AAE;2β(R)-17-O-acetylajmalan:acetylesterase; acetylajmalan esterase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.1.1.80
CAS No.	110183-46-5
Reaction	(1) 17-O-acetylajmaline + H2O = ajmaline + acetate; (2) 17-O-acetylnorajmaline + H2O = norajmaline + acetate
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 ℃.