Creative Enzymes®

aralkylamine N-acetyltransferase

Cat. No. EXWM-2268

Lot. No. (See product label)

Introduction

Description	Narrow specificity towards 2-arylethylamines, including serotonin (5-hydroxytryptamine), tryptamine, 5-methoxytryptamine and phenylethylamine. This is the penultimate enzyme in the production of melatonin (5-methoxy-N-acetyltryptamine) and controls its synthesis (cf. EC 2.1.1.4, acetylserotonin O-methyltransferase). Differs from EC 2.3.1.5 arylamine N-acetyltransferase.
Synonyms	serotonin acetyltransferase; serotonin acetylase; arylalkylamine N-acetyltransferase; serotonin N-acetyltransferase; AANAT; melatonin rhythm enzyme

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.3.1.87
CAS No.	92941-56-5
Reaction	acetyl-CoA + a 2-arylethylamine = CoA + an N-acetyl-2-arylethylamine
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 ℃.