

arylalkylamine 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.