Creative Enzymes®

5-Methyl-DL-tryptophan

Cat. No. CSUB-0716

Lot. No. (See product label)

Introduction

Description	5-Methyl-DL-tryptophan inhibits the synthesis of anthranilate compounds that are the first steps in the biosynthesis of tryptophan in Neurospora crassa. 5-Methyl-DL-tryptophan is a corepressor of the E. coli trp repressor. 5-Methyl-DL-tryptophan may be used to select genetic mutants of PS strain of Methanococcus voltae (archaebacteria). 5-Methyl-tryptophan is a repressor trp operon expression. 5-Methyl-tryptophan is a substrate for tryptophanase. 5-Methyl-tryptophan inhibits the induction of anthranilate synthase activity by elicitors in oats.
Applications	A corepressor of the E. coli trp repressor
Synonyms	DL-2-Amino-3-(5-Methylindolyl) Propionic acid

Product Information

CAS No.	951-55-3
Molecular Formula	C12H14N2O2
Molecular Weight	218.25
Substrates	5-methyl-THF-homocysteine S-methyltransferase

Storage and Shipping Information

Storage	Store at 4° C