

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* (archaeobacteria). 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