Creative Enzymes®

Catharanthine

Cat. No. CEI-0712

Lot. No. (See product label)

Introduction

Description	Catharanthine is one of the alkaloids isolated from the plant Catharanthus roseus. It stimulates the release of amylase from pancreatic fragments and causes extensive degranulation of pancreatic acinar cells with accumulation of membrane material in the Golgi region. It also fully inhibits nicotinic receptor mediated diaphragm contractions (IC50 = 59.6 μM).

Product Information

Appearance	White to off-white solid
CAS No.	2468-21-5
Molecular Formula	$C_{21}H_{24}N_2O_2$
Chemical Name	Methyl (2α,5β,6 α)-3,4-didehydroibogamine-18 β -carboxylate ; 6,9-Methano-5H-pyrido[1',2':1,2]azepino[4,5-b]indole
Molecular Weight	458.9
Purity	>98% by HPLC
Targets	nicotinic receptor
Solubility	H_2O

Storage and Shipping Information

Storage	-20 centigrade
Shipping Conditions	Gel pack