Creative Enzymes®

Purvalanol B

Cat. No. CEI-1104

Lot. No. (See product label)

Introduction

Description	Cyclin-dependent kinase inhibitor with IC50 values of 6, 6, 9, > 10,000, and 6 nM for cdc2/cyclin B, cdk2/cyclin A, cdk2/cyclin E, cdk4/cyclin D1 and cdk5-p35 respectively. Purvalanol B has also been shown to have antiproliferative properties, mediated by p42/p44 MAPK.
Synonyms	CDC2, CDC28A, P34CDC2

Product Information

CAS No.	212844-54-7
Molecular Formula	C20H25ClN6O3
Chemical Name	(R)-2-chloro-4-(2-(1-hydroxy-3-methylbutan-2-ylamino)-9-isopropyl-9H-purin-6-ylamino)benzoic acid
Molecular Weight	432.9
Purity	> 95%
Targets	cdc2/cyclin B, cdk2/cyclin A, cdk2/cyclin E, cdk4/cyclin D1, cdk5-p35
Solubility	DMSO > 112mg/mL Water >1mg/mL Ethanol > 4mg/mL

Storage and Shipping Information

Storage	4 centigrade
Stability	2 years -20 centigrade Powder 1 month -4 centigrade in DMSO More than one month -80 centigrade in DMSO