Creative Enzymes®

Merck-22-6

Cat. No. CEI-1124

Lot. No. (See product label)

Introduction

Description	Merck-22-6 is a potent, allosteric dual Akt1, Akt2 inhibitor with IC50=138nM and 212nM respectively. Selective over Akt3, IC50=7200nM.
Synonyms	AKT, CWS6, PKB, PKB-ALPHA, PRKBA, RAC, RAC-ALPHA

Product Information

CAS No.	12847-42-4
Molecular Formula	C40H43N7O2
Chemical Name	N-(2-(diethylamino)ethyl)-3-(4-((4-(2-oxo-2,3-dihydro-benzo[d]imidazol-1-yl)piperidin-1-yl)methyl)phenyl)-2-phenylquinoxaline-6-carboxamide
Molecular Weight	653.82
Purity	> 95%
Targets	Akt1, Akt2, Akt3
IC50	138nM, 212nM, 7200nM
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