

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