
AKT-IN-VIII

产品编号: D51325

CAS: 612847-09-3

分子式: C₃₄H₂₉N₇O

纯度: ≥98%

InChi: InChI=1S/C₃₄H₂₉N₇O/c42-34-39-26-8-4-5-9-31(26)41(34)25-14-16-40(17-15-25)20-22-10-12-24(13-11-22)33-32(23-6-2-1-3-7-23)37-29-18-27-28(36-21-35-27)19-30(29)38-33/h1-13,18-19,21,25H,14-17,20H₂, (H,35,36)(H,39,42)

InChi Key: BIWGYFZAEWGBAL-UHFFFAOYSA-N

Smiles: O=C1NC2C=CC=CC=2N1C1CCN(CC2C=CC(=CC=2)C2N=C3C=C4NC=NC4=CC3=NC=2C2C=CC=C
C=2)CC1

外观: 固体粉末

作用通路: Akt

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: AKT-IN-VIII, also known as AKTi-1/2, is a potent, selective and cell permeable, allosteric inhibitor of Akt 1 and 2, which efficiently inhibits CaMKI α activity and aryl hydrocarbon receptor pathway. AKT-IN-VIII suppresses hyperthermia-induced Ndr γ 2 phosphorylation in gastric cancer cells. AKT-IN-VIII displays good selectivity against a panel of 70 other kinases with micromolar inhibition against some kinases, for example, calcium/calmodulin-dependent protein kinase 1 and smooth muscle myosin light-chain kinase.