Hello Bio, Inc. 304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500 F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

SC 66

Product overview

NameSC 66Cat NoHB1252Biological actionInhibitorPurity>98%

Customer comments Good. Happy with the product Verified customer, University of Brighton

Description Akt inhibitor

Biological Data

Biological description Akt (PKB) inhibitor. Binds at an allosteric site. Interferes with PH domain-PIP3 binding and enhances

Akt ubiquitination. Blocks mTORC1/2, decreases glucose uptake and cell viability. Shows anti-tumor

actions.

Solubility & Handling

Solubility overview Soluble in DMSO (75mM) or ethanol (75mM)

Storage instructions -20°C

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20 °C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

Important This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not

for human or veterinary use.

Chemical Data

Chemical name (2*E*,6*E*)-2,6-*Bis*(4-pyridinylmethylene)cyclohexanone

Molecular Weight 276.33 Chemical structure

SMILES O=C(/C(CCC3)=C/C2=CC=NC=C2)/C3=C/C1=CC=NC=C1

InChiKey CYVVJSKZRBZHAV-UNZYHPAISA-N

References

Deactivation of Akt by a small molecule inhibitor targeting pleckstrin homology domain and facilitating Akt ubiquitination.

Jo H $\it{et~al}$ (2011) Proc Natl Acad Sci U S A 108(16)

PubMedID 21464312

AKT inhibitors promote cell death in cervical cancer through disruption of mTOR signaling and glucose uptake.

Rashmi R et al (2014) PLoS One 9(4)

PubMedID

24705275