

Product Name	: BI-69A11
Synonyms	: BI-69A11; BI 69A11; BI69A11
Cat No.	: M10923
CAS Number	: 1233322-09-2
Molecular Formula	: C ₂₅ H ₁₆ ClN ₃ O ₂
Formula Weight	: 425.87
Chemical Name	: (E)-3-(3-(1H-benzo[d]imidazol-2-yl)acryloyl)-6-chloro-4-phenylquinolin-2(1H)-one
Description	: A potent, selective, ATP competitive AKT inhibitor with IC ₅₀ of 2.3 uM for Akt1; displays no activity for other protein kinases including Abl1, p38α, JNK, and PI3K (IC ₅₀ >100 uM); causes partial inhibition of AKT phosphorylation on S473 on melanoma cells at 3 uM; reduces AKT protein expression and AKT association with HSP-90; caused effective regression of melanoma tumor xenografts.
Pathway	: Cytoskeleton/Cell Adhesion Molecules
Target	: Akt
Receptor	: Akt
Solubility	: —
SMILES	: <chem>O=C1NC2=C(C=C(Cl)C=C2)C(C3=CC=CC=C3)=C1C(/C=C/C4=NC5=CC=CC=C5N4)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Gaitonde S, et al. Pigment Cell Melanoma Res. 2009 Apr;22(2):187-95. 2. Feng Y, et al. Pigment Cell Melanoma Res. 2013 Jan;26(1):136-42. 3. Pal I, et al. Br J Cancer. 2014 Jul 8;111(1):101-11.