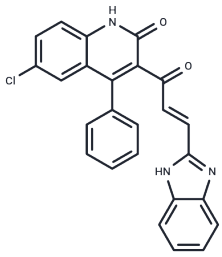
Data Sheet (Cat.No.T25150)

TargetMol

BI-69A11

Chemical Properties



CAS No. : 1233322-09-2

Formula: C25H16ClN3O2

Molecular Weight: 425.87

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	BI-69A11 ((E)-3-(1H-Benzo[d]imidazol-2-yl)-1-(6-chloro-2-hydroxy-4-phenylquinolin-3-yl)prop-2-en-1-one) is a dual AKT and NFkB pathway inhibitor. It enhances the susceptibility of colon cancer cells to mda-7/IL-24-induced growth inhibition by targeting Akt.
Targets(IC50)	NF-κB,Akt

Solubility Information

Solubility	DMSO: 55 mg/mL (129.15 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3481 mL	11.7407 mL	23.4813 mL
5 mM	0.4696 mL	2.3481 mL	4.6963 mL
10 mM	0.2348 mL	1.1741 mL	2.3481 mL
50 mM	0.047 mL	0.2348 mL	0.4696 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Pal I, Sarkar S, et al. BI-69A11 enhances susceptibility of colon cancer cells to mda-7/IL-24-induced growth inhibition by targeting Akt. Br J Cancer. 2014 Jul 8;111(1):101-11.

Pal I, Parida S, et al. Blockade of autophagy enhances proapoptotic potential of BI-69A11, a novel Akt inhibitor, in colon carcinoma. Eur J Pharmacol. 2015 Oct 15;765:217-27.

Feng Y, Lau E, et al. Inhibition of melanoma development in the Nras((Q61K)) ::Ink4a(-/-) mouse model by the small molecule BI-69A11. Pigment Cell Melanoma Res. 2013 Jan;26(1):136-42.

Pal I, Dey KK, Chaurasia M, Parida S, Das S, Rajesh Y, Sharma K, Chowdhury T, Mandal M. Cooperative effect of BI-69A11 and celecoxib enhances radiosensitization by modulating DNA damage repair in colon carcinoma. Tumour Biol. 2016 May;37(5):6389-402. doi: 10.1007/s13277-015-4399-6. Epub 2015 Dec 2. PubMed PMID: 26631035.