

Product Name : CP-9

Synonyms : Hsp90α inhibitor CP-9

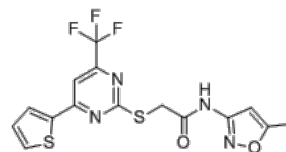
Cat No. : M14720

CAS Number : 505056-50-8

Molecular Formula : C₁₅H₁₁F₃N₄O₂S₂

Formula Weight : 400.39

Chemical Name : N-(5-methylisoxazol-3-yl)-2-[4-(thiophen-2-yl)-6-(trifluoromethyl)pyrimidin-2-ylthio]acetamide



Description : A potent Hsp90α/p23 interaction inhibitor with IC₅₀ of 3.2 μM; 5-fold less potent for Hsp90β/p23 interaction (IC₅₀=15.3 μM); leads to various levels of degradation of pAkt/total Akt and Raf-1 in cancer cell lines, but has no effect on the expression of the Hsp90 client proteins in normal mouse embryonic fibroblasts (MEFs); inhibits cell proliferation, glucose metabolism, and mammalian thymidine kinase activities in multiple cancer cell lines.

Pathway : Cytoskeleton/Cell Adhesion Molecules

Target : HSP

Receptor : HSP

Solubility : —

SMILES : CC1=CC(=NO1)NC(=O)CSC2=NC(=CC(=N2)C(F)(F)F)C3=CC=CS3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Chan CT, et al. Proc Natl Acad Sci U S A. 2012 Sep 11;109(37):E2476-85.