

Product Name : AZD8330

Synonyms : ARRY-424704;ARRY-704;AZD-8330;ARRY424704;ARRY704;AZD8330

Cat No. : M16314

CAS Number : 869357-68-6

Molecular Formula : C₁₆H₁₇FIN₃O₄

Formula Weight : 461.23

Chemical Name : 3-Pyridinecarboxamide, 2-[(2-fluoro-4-iodophenyl)amino]-1,6-dihydro-N-(2-hydroxyethoxy)-1,5-dimethyl-6-oxo-

Description :

AZD8330 (ARRY-424704;ARRY-704) is a potent, selective, non-ATP competitive MEK1/2 inhibitor with IC₅₀ of 7 nM; displays no inhibitory activity against a panel of >200 other kinases; demonstrates sub-nanomolar potency in mechanistic (pERK) and low to sub-nanomolar potency in functional (proliferation) assays in MEK1/2 inhibitor sensitive cell lines; inhibits ERK phosphorylation and causes tumor growth inhibition in Calu-6 rat xenograft. Solid Tumors Phase 1 Discontinued

Pathway : MAPK/ERK Signaling

Target : MEK

Receptor : ERKphosphorylation;MEK1/2

Solubility : 10 mM in DMSO

SMILES : O=C(C(C=C1C)=C(NC2=CC=C(I)C=C2F)N(C)C1=O)NOCCO

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Cohen RB, et al. Eur J Cancer. 2013 May;49(7):1521-9. | 2. Baranski Z, et al. Genes Cancer. 2015 Nov;6(11-12):503-12.

