

Product Name : PD-184352

Synonyms : CI-1040

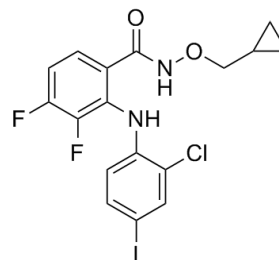
Cat No. : M13381

CAS Number : 212631-79-3

Molecular Formula : C₁₇H₁₄ClF₂IN₂O₂

Formula Weight : 478.66

Chemical Name : Benzamide, 2-[(2-chloro-4-iodophenyl)amino]-N-(cyclopropylmethoxy)-3,4-difluoro-



Description : A potent, ATP non-competitive MEK1/2 inhibitor with IC₅₀ of 17 nM in cell-based assays, displays 100-fold more selective for MEK1/2 than MEK5; reduces pMAPK levels in multiple tumor cells, prevents cell cycle progression and induces G1 block; suppresses growth of colon tumors in vivo. Colon Cancer Phase 2 Discontinued

Pathway : MAPK/ERK Signaling

Target : MEK

Receptor : MEK1;MEK2

Solubility : DMSO: ≥ 150 mg/mL

SMILES : O=C(NOCC1CC1)C2=CC=C(F)C(F)=C2NC3=CC=C(I)C=C3Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Sebolt-Leopold JS, et al. Nat Med, 1999, 5(7), 810-816. | 2. Davies SP, et al. Biochem J, 2000, 135(1), 95-105. | 3. Pellicano F, et al. Leukemia, 2011, 25(7), 1159-1167.