

Product Name : DPH

Synonyms : —

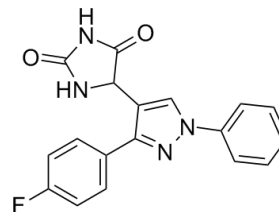
Cat No. : M14620

CAS Number : 484049-04-9

Molecular Formula : C₁₈H₁₃FN₄O₂

Formula Weight : 336.32

Chemical Name : 2,4-Imidazolidinedione, 5-[3-(4-fluorophenyl)-1-phenyl-1H-pyrazol-4-yl]-



Description : A cell-permeable, small-molecule c-Abl kinase activator with pEC₅₀ of 6.1 (EC₅₀=794 nM); binds to the myristoyl binding site, also stimulates in vitro c-Abl phosphorylation; induces both pY245 (pEC₅₀=5.6) and pY412 c-Abl phosphorylation; dose dependently induces Crk-L pY207 in KG-1 cells; the first small-molecule tool compound for c-Abl activation.

Pathway : Angiogenesis

Target : Bcr-Abl

Receptor : Bcr-Abl

Solubility : 10 mM in DMSO

SMILES : C1=CC=C(C=C1)N2C=C(C(=N2)C3=CC=C(C(=C3)F)C4C(=O)NC(=O)N4

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Yang J, et al. Chem Biol. 2011 Feb 25;18(2):177-86. | 2. Cabigas EB, et al. J Cardiovasc Pharmacol Ther. 2015 Jan;20(1):93-103. | 3. Grover P, et al. PLoS One. 2015 Jul 29;10(7):e0133590.