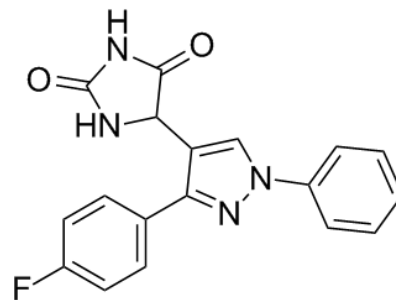


Product Name : DPH
Cat. No. : PC-42883
CAS No. : 484049-04-9
Molecular Formula : C₁₈H₁₃FN₄O₂
Molecular Weight : 336.3198
Target : Bcr-Abl
Solubility : 10 mM in DMSO



Biological Activity

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.

References

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

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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