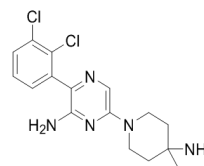


Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name	:SHP-099
Cat.No.	:URK-V599
CAS No.	:1418274-28-8
Molecular Formula	:C ₁₆ H ₁₉ Cl ₂ N ₅
Molecular Weight	:356.262
Target	:Protein Phosphatase/PTP
Solubility	:DMSO:6.4mg/ml (Need ultrasonic)



Biological Activity

SHP-099 (SHP099) is a potent, selective, allosteric and orally bioavailable protein tyrosine phosphatase SHP2 inhibitor with IC₅₀ of 71 nM; exhibits excellent phosphatase selectivity profiling over a panel of 21 human phosphatases (including SHP1) and a panel of 66 serine-threonine and tyrosine kinase; inhibits p-ERK with an IC₅₀ of ~0.25 μM in SHP2- dependent MDA-MB-468 and KYSE520 cells, suppresses RAS-ERK signalling to inhibit the proliferation of receptor-tyrosine-kinase-driven human cancer cells in vitro and is efficacious in mouse tumour xenograft models.

References

1. Garcia Fortanet J, et al. J Med Chem. 2016 Sep 8;59(17):7773-82.
2. Chen YN, et al. Nature. 2016 Jul 7;535(7610):148-52.
3. Flemming A. Nat Rev Drug Discov. 2016 Jul 29;15(8):530-1.

Note: All products of Ureiko are only used for scientific research or drug certificate declaration, and we do not provide products and services for any personal use!

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

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