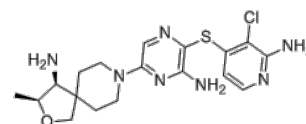


Product Name : TNO155
Cat. No. : PC-38180
CAS No. : 1801765-04-7
Molecular Formula : C₁₈H₂₄ClN₇OS
Molecular Weight : 421.948
Target : Protein Phosphatase/PTP
Solubility : 10 mM in DMSO



Biological Activity

Batoprotafib (TNO155) is a highly potent, selective, orally active, and allosteric **SHP2 (PTPN11)** inhibitor with IC₅₀ of 11 nM.

TNO155 is efficacious in acquired resistance models of EGFRi and demonstrates combination benefits with EGFR inhibitors, inhibits EGFR-mutant NSCLC cell lines NCI-H3255, HCC827, and PC9 with IC₅₀ of <1.5 μM.

TNO155 also sensitizes BRAF-mutant colorectal cancer to inhibitors of BRAF and MEK, and enhances the efficacy of KRASG12C inhibitors against KRASG12C lung and colorectal cancers.

Ribociclib enhances the efficacy of TNO155 in both RTK-activated and KRAS-mutant cancers.

TNO155 inhibits immune-suppressive macrophages and synergizes with PD1 blockade.

References

LaMarche MJ, et al. *J Med Chem.* 2020 Nov 25;63(22):13578-13594.

Liu C, et al. *Clin Cancer Res.* 2021 Jan 1;27(1):342-354.

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

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