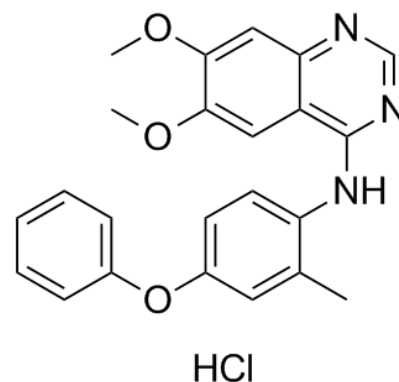


Product Name : APS-2-79 hydrochloride
Cat. No. : PC-42216
CAS No. : 2002381-31-7
Molecular Formula : C₂₃H₂₂ClN₃O₃
Molecular Weight : 423.89208
Target : MEK (MAP2K)
Solubility : DMSO



Biological Activity

APS-2-79 hydrochloride is a small molecule compound that modulates KSR-dependent MAPK signalling by antagonizing RAF heterodimerization, and the conformational changes required for phosphorylation and activation of KSR-bound **MEK** (KSR2 IC₅₀=120 nM).

APS-2-79 binds to the KSR2-MEK1 complex and impedes the assembly of RAF-KSR-MEK complexes, suppresses KSR-stimulated MEK and ERK phosphorylation and suppresses oncogenic Ras mutations.

APS-2-79 enhances the efficacy of Trametinib against cancer cell lines containing K-Ras mutations.

References

Dhawan NS, et al. *Nature*. 2016 Sep 1;537(7618):112-116.

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

E-mail: tech@probechem.com