MRTX849

Cat. No.: HY-130149
CAS No.: 2326521-71-3
Molecular Formula: C₃₂H₃₅ClFN₇O₂
Molecular Weight: 604.12
Target: Ras
Pathway: GPCR/G Protein
Storage: Please store the product under the recommended conditions in the COA.

**BIOLOGICAL ACTIVITY**

**Description**
MRTX849 is a potent, orally-available, and mutation-selective covalent inhibitor of KRAS G12C with potential antineoplastic activity. MRTX849 covalently binds to KRAS G12C at the cysteine at residue 12, locks the protein in its inactive GDP-bound conformation, and inhibits KRAS-dependent signal transduction[1][2].

**IC₅₀ & Target**
KRAS G12C[1]

**In Vitro**
In cell lines, MRTX849 inhibits growth and viability of cells harboring KRAS<sup>G12C</sup> mutations, but not in cells with other mutant forms or of wild-type KRAS[2].

**In Vivo**
MRTX849 inhibits KRAS<sup>G12C</sup> signaling in cell lines harboring this mutation, and results in tumor regression in a broad spectrum of KRAS<sup>G12C</sup> animal models[2].

**REFERENCES**


Caution: Product has not been fully validated for medical applications. For research use only.