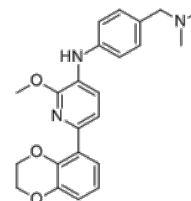


Product Name : RAS inhibitor Abd-7
Cat. No. : PC-35587
CAS No. : 2351843-48-4
Molecular Formula : C₂₃H₂₅N₃O₃
Molecular Weight : 391.471
Target : Ras
Solubility : 10 mM in DMSO



Biological Activity

RAS inhibitor Abd-7 is a potent RAS-binding compound (K_d=51 nM) that interacts with **RAS** in cells, prevents RAS-effector interactions and inhibits endogenous RAS-dependent signalling.

RAS inhibitor Abd-7 impairs the protein-protein interaction (PPI) of various mutant KRAS proteins with PI3K, CRAF and RALGDS as well as NRASQ61H and HRASG12V.

RAS inhibitor Abd-7 inhibits phosphorylation of both downstream biomarkers in colorectal cancer (DLD-1, KRASG13D) and NSCLC (H538, KRASG12C) human cell lines, with reduction of AKT phosphorylation starting at 2 μM.

RAS inhibitor Abd-7 shows consistent inhibitory effects in the cell-based BRET assay and the biomarker assay.

References

Quevedo CE, et al. *Nat Commun.* 2018 Aug 9;9(1):3169.

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

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