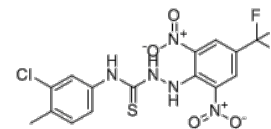


Product Name : Kobe0065
Cat. No. : PC-38456
CAS No. : 436133-68-5
Molecular Formula : C₁₅H₁₁ClF₃N₅O₄S
Molecular Weight : 449.79
Target : Ras
Solubility : 10 mM in DMSO



Biological Activity

Kobe0065 is a small-molecule **Ras** inhibitor, competitively inhibits the binding of H-Ras·GTP to c-Raf-1 RBD with K_i of 46 uM.

Kobe0065 effectively inhibit both anchorage-dependent and -independent growth and induce apoptosis of H-rasG12V-transformed NIH 3T3 cells (IC₅₀=0.5 uM).

Kobe0065 exhibit antitumor activity on a xenograft of human colon carcinoma SW480 cells carrying the K-rasG12V gene by oral administration.

References

Shima F, et al. *Proc Natl Acad Sci U S A*. 2013 May 14;110(20):8182-7.

Shima F, et al. *Enzymes*. 2013;34 Pt. B:1-23.

Yoshikawa Y, et al. *Cancer Lett*. 2017 Dec 1;410:82-91.

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

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