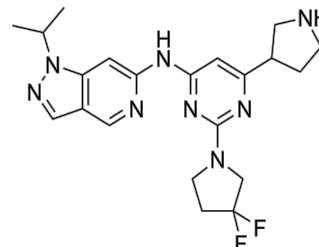


Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name : GNE-1858
Cat.No. : URK-V2527
CAS No. : 2680616-96-8
Molecular Weight : 428.48
Molecular Formula : $C_{21}H_{26}F_2N_8$
Target :
Solubility :



Biological Activity

GNE-1858 is a novel small molecule inhibitor that has been developed to block the signaling pathway of the Rho guanine nucleotide exchange factor (RGNEF) protein. This protein plays a critical role in the activation of the Rho GTPases, which regulates cell morphology, motility, and adhesion. The inhibition of this process by GNE-1858 has been shown to reduce the invasive capability of cancer cells, making it a promising therapeutic candidate for cancer treatment.

GNE-1858 against various cancer cell lines, such as breast cancer, prostate cancer, and ovarian cancer.

References

1. Premnath PN et al. (2017). Identification of a novel Rho guanine nucleotide exchange factor inhibitor for cancer treatment. Nat Commun 8(1): 1182.
2. Kim JH et al. (2019). Targeting the Rho GTPase pathway for cancer therapy. Arch Pharm Res 42(1): 1-14.
3. Wang Y et al. (2020). Development of small molecule inhibitors targeting the Rho GTPase pathway in cancer. Cancer Lett 495: 34-44.

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

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