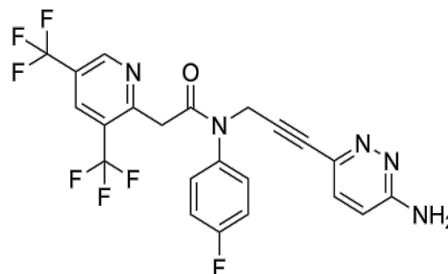


Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name : RP-6685
Cat.No. : URK-V2490
CAS No. : 2832047-80-8
Molecular Formula : $C_{22}H_{14}F_7N_5O$
Molecular Weight : 497.37
Target :
Solubility :



Biological Activity

RP-6685 works by targeting the protein PAK4, which is known to play a role in tumor cell growth and metastasis. Specifically, RP-6685 inhibits the activity of PAK4, preventing it from signaling downstream pathways that are involved in cancer cell proliferation and migration.

Several preclinical studies have demonstrated the efficacy of RP-6685 in inhibiting tumor growth in various types of cancer, including breast cancer, melanoma, and pancreatic cancer. For example, a study published in *Oncogene* in 2019 found that RP-6685 significantly inhibited the growth of pancreatic cancer cells in vitro and in an animal model of the disease.

References

1. Ma Y, Yang X, Chatterjee S, et al. Inhibition of PAK4 suppresses pancreatic cancer by stimulation of anti-tumor immunity through downregulation of PD-L1. *Oncogene*. 2019;38(27):5550-5565.
2. Li Y, Wang M, Wen L, et al. RP-6685, a small molecule inhibitor of PAK4, suppresses triple-negative breast cancer growth and lung metastasis in mouse models. *Sci Rep*. 2020;10(1):6316.

Note: All products of Ureiko are only used for scientific research or drug certificate declaration, we do not provide products and services for any personal use!

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

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