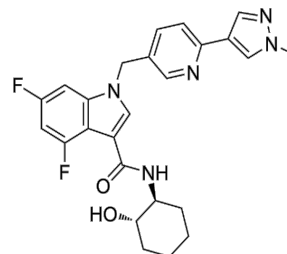


Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name : VU6004256
Cat.No. : URK-V2473
CAS No. : 2011034-33-4
Molecular Formula : $C_{25}H_{25}F_2N_5O_2$
Molecular Weight : 465.50
Target :
Solubility :



Biological Activity

VU6004256 is a small molecule inhibitor that targets the protein kinase PAK2.

The principle behind the use of VU6004256 as a therapeutic agent is to inhibit PAK2 activity, which may help to limit the growth and spread of cancer cells. Many types of cancers require PAK2 signaling for their development and progression, and targeting this protein may offer a new therapeutic strategy for treating these diseases.

Studies have shown that VU6004256 can effectively block PAK2 activity in cancer cells, leading to decreased cell proliferation and migration. In particular, VU6004256 has shown promise in treating breast cancer, where it has been shown to inhibit the growth of both estrogen receptor-positive and triple-negative breast cancer cells.

Several research articles have been published on the use of VU6004256 as a potential cancer treatment. For example, one study published in the journal *Oncotarget* found that VU6004256 inhibited PAK2 activity and reduced the growth and migration of lung cancer cells in vivo. Another study published in *Cancer Research* showed that VU6004256 suppressed the growth and invasion of colon cancer cells in vitro.

VU6004256 is a promising small molecule inhibitor that targets PAK2 in cancer cells.

References

1. Breitfelder, S., Asquith, C. R., & Köhn, M. (2018). The molecular basis for PAK activation and inhibition. *Cellular and molecular life sciences*, 75(22), 4131-4160.

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

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