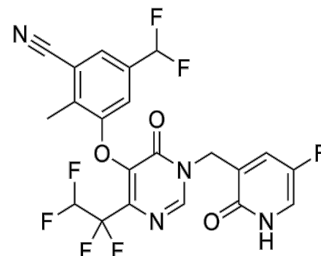


Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name :PYR01
Cat.No. :URK-V2512
CAS No. :2560576-15-8
Molecular Formula :C₂₈H₂₂Cl₃N₃O₅
Molecular Weight :502.34
Molecular Formula :C₂₁H₁₃F₇N₄O₃
Solubility :



Biological Activity

PYR01 is a novel inhibitor of the E3 ubiquitin ligase CRL4DCAF15, which plays a critical role in DNA damage repair and cell cycle progression.

By blocking the CRL4DCAF15 complex, PYR01 disrupts the normal functioning of cancer cells, inhibiting their growth and proliferation.

PYR01 has been found to be effective against ovarian cancer, breast cancer, and non-small cell lung carcinoma.

References

1. Kabsch K, et al. PYR01 targeting of the E3 ubiquitin ligase CRL4DCAF15 induces DNA damage in cancer cells and increases therapeutic efficacy of carboplatin. Nat Commun. 2020;11(1):1612.
2. Wei W, et al. E3 ubiquitin ligase CRL4DCAF15 induces growth arrest and senescence by stabilizing p16INK4a. Nat Commun. 2019;10(1):4432.
3. Kabsch K, et al. Novel small molecule inhibitors targeting the E3 ubiquitin ligase CRL4DCAF15. Cancer Res. 2018;78(13 Suppl):Abstract nr 3865.

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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