

Product Datasheet

ARS-1323-alkyne

Catalog No. **BP-02017** · CAS **2436544-27-1** · Form **free base** · Physical state **solid** · Color **Off-white to light brown** · Version **1.0** · Revision **2026-09-11**

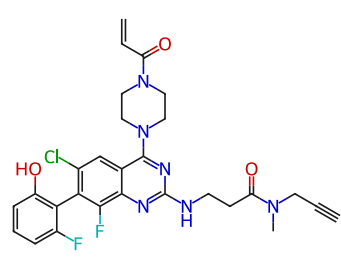
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Target Ras	Research area Cancer
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Molecular formula **C₂₈H₂₇ClF₂N₆O₃**

Molecular weight **569.0020**

STRUCTURE



DESCRIPTION

ARS-1323-alkyne, a switch-II pocket (S-IIP) inhibitor, is a conformational specific chemical reporter of KRASG12C nucleotide state in living cells.

BIOLOGICAL ACTIVITY

In Vitro

ARS-1323-alkyne (10 μM) visualizes covalent modification of KRAS G12C in H358 and MIA PaCa-2 cells by electrophoretic mobility shift assay (EMSA) and click chemistry (in conjunction with TAMRA-N3) and quantitatively measures inhibitor binding efficiency to the target.

SOLUBILITY

Soluble in DMSO

REFERENCES

[1]. Lou K, et al. KRASG12C inhibition produces a driver-limited state revealing collateral dependencies. Sci Signal. 2019 May 28;12(583). pii: eaaw9450.

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