

Product Datasheet

BI-2852

Catalog No. **BP-02356** · CAS **2375482-51-0** · Form **free base** · Physical state **other** · Version **1.0** · Revision **2026-09-10**

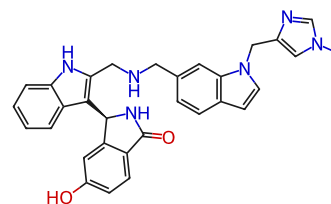
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Target Ras	Research area Cancer
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Molecular formula **C₃₁H₂₈N₆O₂**

Molecular weight **516.5930**

STRUCTURE



DESCRIPTION

BI-2852 is a KRAS inhibitor for the switch I/II pocket (SI/II-pocket) by structure-based drug design with nanomolar affinity.

BIOLOGICAL ACTIVITY

BI-2852 is a KRAS inhibitor for the switch I/II pocket (SI/II-pocket) by structure-based drug design with nanomolar affinity. BI-2852 is mechanistically distinct from covalent KRASG12C inhibitor (binds to switch II pocket) and binds ten-fold more strongly to active KRASG12D versus KRASwt (740 nM vs 7.5 μM). BI-2852 blocks GEF, GAP, and effector interactions with KRAS, leading to inhibition of downstream signaling and an antiproliferative effect in KRAS mutant cells.

SOLUBILITY

Soluble in DMSO

In vitro DMSO : 55 mg/mL

REFERENCES

- [1]. Kessler D, et al. Drugging an undruggable pocket on KRAS. Proc Natl Acad Sci U S A. 2019 Aug 6; 116(32):15823-15829.
- [2]. Dirk Kessler, et al. Drugging all RAS isoforms with one pocket. FUTURE MEDICINAL CHEMISTRY

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