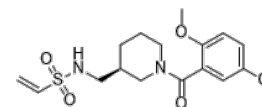


**Product Name** : KRAS4b inhibitor Compound 2  
**Cat. No.** : PC-24579  
**CAS No.** : 2042365-85-3  
**Molecular Formula** : C<sub>16</sub>H<sub>21</sub>ClN<sub>2</sub>O<sub>4</sub>S  
**Molecular Weight** : 372.86  
**Target** : Ras  
**Solubility** : 10 mM in DMSO



CAS: 2042365-85-3

### Biological Activity

SMDC994566 (KRAS4b inhibitor Compound 2) is a specific small molecule covalent modifier of canonical RAS isoform KRAS4b CaaX-box cysteine (C185), decreases proliferation and KRAS protein level in KRAS-dependent MEF cells.

Compound 2 does not modifies C186 in NRAS.

Compound 2 (0-50 uM) inhibits the proliferation of KRAS4b mutant MEFs but does not inhibit the growth of Myr-KRAS G12D/C185S MEFs.

Compound 2 (0-50 uM) also reduces KRAS protein levels in KRAS4b G12D and G12C but not in Myr-KRAS G12D/C185S MEFs after 72 h of treatment.

### References

Maciag AE, et al. Proc Natl Acad Sci U S A. 2025 May 13;122(19):e2410766122.

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

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