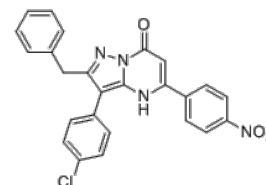


**Product Name** : NAV 2729  
**Cat. No.** : PC-60611  
**CAS No.** : 419547-11-8  
**Molecular Formula** : C<sub>25</sub>H<sub>17</sub>ClN<sub>4</sub>O<sub>3</sub>  
**Molecular Weight** : 456.886  
**Target** : Small GTPase  
**Solubility** : 10 mM in DMSO



## Biological Activity

NAV 2729 (NAV2729) is a novel, direct and selective small molecule inhibitor of **small GTPase ARF6** with IC<sub>50</sub> of 1.5 μM in nucleotide exchange assays.

NAV 2729 shows no inhibitory effects for all other human ARF family members, as well as other small GTPases, such as RhoA, Rac1, H-Ras, and Cdc42 (IC<sub>50</sub>>50 μM).

NAV 2729 inhibits all known signaling pathways downstream of oncogenic GNAQ in uveal melanoma cells, including PLC/PKC, Rho/Rac, YAP, and β-catenin.

NAV 2729 reduces uveal melanoma cell proliferation and tumorigenesis in mouse models.

## References

Yoo JH, et al. *Cancer Cell*. 2016 Jun 13;29(6):889-904.

Benabdi S, et al. *Biochemistry*. 2017 Sep 26;56(38):5125-5133.

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

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