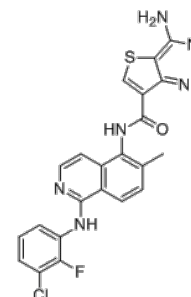


**Product Name** : Belvarafenib  
**Cat. No.** : PC-61364  
**CAS No.** : 1446113-23-0  
**Molecular Formula** : C<sub>23</sub>H<sub>16</sub>ClFN<sub>6</sub>OS  
**Molecular Weight** : 478.93  
**Target** : Raf  
**Solubility** :



## Biological Activity

Belvarafenib (HM95573, GDC5573) is a novel potent, selective **RAF inhibitor** with IC<sub>50</sub> of 41 nM, 7 nM and 2 nM for BRAF WT, BRAF V600E and CRAF, respectively; inhibits cell proliferation of A375 (BRAF V600E) and SK-MEL-30 (NRAS Q61K) with IC<sub>50</sub> of 57 and 24 nM, also inhibits the phosphorylations of MEK and ERK downstream kinases in mutant BRAF and mutant NRAS melanoma cells; shows the excellent antitumor activity in mouse models xenografted with both of BRAF mutation cell lines (e.g. A375 and SK-MEL-28) and NRAS mutation cell lines.

## References

InHwan Bae, et al. Antitumor activity of the selective RAF inhibitor HM95573 in melanoma. **AACR** 2015. DOI: 10.1158/1538-7445.AM2015-2606

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

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