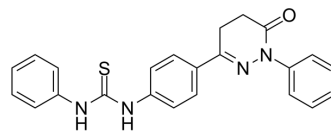


## B-Raf IN 9

<b>Cat. No.:</b>	HY-147854
<b>CAS No.:</b>	2477725-18-9
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>20</sub> N <sub>4</sub> OS
<b>Molecular Weight:</b>	400.5
<b>Target:</b>	Raf; Apoptosis
<b>Pathway:</b>	MAPK/ERK Pathway; Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	B-Raf IN 9 (compound 8b) is a potent B-Raf inhibitor, with an IC <sub>50</sub> of 24.79 nM. B-Raf IN 9 induces apoptosis and shows cell cycle arrest at G2/M phase. B-Raf IN 9 exhibits potent antitumor activity against human prostate cancer PC-3 cell line, with an IC <sub>50</sub> of 7.83 μM <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	B-Raf 24.97 ± 0. nM (IC <sub>50</sub> )

### REFERENCES

[1]. Thabit MG, et al. Design, synthesis and molecular modeling of phenyl dihydropyridazinone derivatives as B-Raf inhibitors with anticancer activity. *Bioorg Chem.* 2020 Oct;103:104148.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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