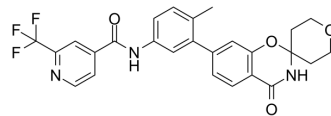


## RAF-IN-1

Cat. No.:	HY-144271
CAS No.:	2695505-82-7
Molecular Formula:	C <sub>26</sub> H <sub>22</sub> F <sub>3</sub> N <sub>3</sub> O <sub>4</sub>
Molecular Weight:	497.47
Target:	Raf
Pathway:	MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	RAF-IN-1 is a potent b/cRAF inhibitor with an IC <sub>50</sub> s of 3.8 nM, 36 nM, 29.4 nM for cRAF, BRAF <sup>WT</sup> , and BRAF <sup>V600E</sup> . RAF-IN-1 shows cell growth inhibition with GI <sub>50</sub> s of 3.4 and 2.9 nM for H358 and A375 cell line bearing BRAF <sup>V600E</sup> mutation, respectively <sup>[1]</sup> .		
<b>IC<sub>50</sub> &amp; Target</b>	BRAF <sup>V600E</sup> 29.4 nM (IC <sub>50</sub> )	BRAF <sup>WT</sup> 36 nM (IC <sub>50</sub> )	c-Raf 3.8 nM (IC <sub>50</sub> )

## REFERENCES

[1]. Zhao P, et al. Discovery of spiro amide SHR902275: A potent, selective, and efficacious RAF inhibitor targeting RAS mutant cancers. *Eur J Med Chem.* 2022;228:114040.

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

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