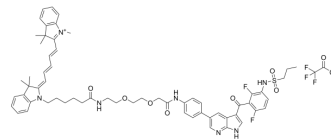


## Vem-L-Cy5

Cat. No.:	HY-149380
Molecular Formula:	C <sub>63</sub> H <sub>68</sub> F <sub>5</sub> N <sub>7</sub> O <sub>9</sub> S
Molecular Weight:	1194.31
Target:	Raf
Pathway:	MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Vem-L-Cy5 (compound 3) is modified with the NIR fluorophore cyanine-5 (Cy5) and is a Vemurafenib (HY-12057)-based inhibitor of BRAF. Vem-L-Cy5 targets to BRAF<sup>V600E</sup> and also inhibits MEK phosphorylation. Vem-L-Cy5 has cell permeability and inhibits cell growth of many types of cancer<sup>[1]</sup>.

### REFERENCES

[1]. Barresi E, et al. A cyanine-based NIR fluorescent Vemurafenib analog to probe BRAFV600E in cancer cells. Eur J Med Chem. 2023 Aug 5;256:115446.

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

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