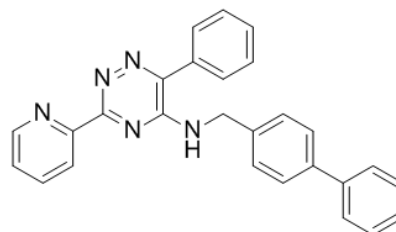


**Product Name** : ML228  
**Cat. No.** : PC-43179  
**CAS No.** : 1357171-62-0  
**Molecular Formula** : C<sub>27</sub>H<sub>21</sub>N<sub>5</sub>  
**Molecular Weight** : 415.4891  
**Target** : HIF/HIF Prolyl-hydroxylase  
**Solubility** : DMSO: ≥ 35 mg/mL



### Biological Activity

ML228 (ML-228, CID-46742353) is an activator of the hypoxia inducible factor (**HIF**) pathway with EC<sub>50</sub> of 1.4 uM in HIF-1α nuclear translocation assays.

ML228 demonstrates to potently activate HIF in vitro as well as its downstream target VEGF (EC<sub>50</sub>=1.63 uM).

ML228 significantly augments VEGFR-2, attenuates Caspase-3 and neuronal apoptosis, and improves neurological Severity Score and tissue edema in the hippocampus of rats, without affecting expression of NF-κB.

### References

Theriault JR, et al. *Bioorg Med Chem Lett*. 2012 Jan 1;22(1):76-81.

Liu XL, et al. *Life Sci*. 2016 Apr 15;151:243-249.

Zhao Y, et al. *Sci Rep*. 2016 Aug 23;6:31952.

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

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