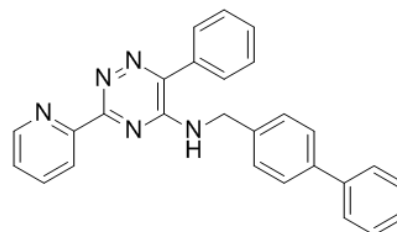


Product Name : ML228
Cat. No. : PC-43179
CAS No. : 1357171-62-0
Molecular Formula : C₂₇H₂₁N₅
Molecular Weight : 415.4891
Target : HIF/HIF Prolyl-hydroxylase
Solubility : DMSO: ≥ 35 mg/mL



Biological Activity

ML228 (ML-228, CID-46742353) is an activator of the hypoxia inducible factor (HIF) pathway with EC₅₀ of 1.4 μM in HIF-1α nuclear translocation assays; demonstrates to potently activate HIF in vitro as well as its downstream target VEGF (EC₅₀=1.63 μM); 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!

E-mail: tech@probechem.com