# HIF-IN-1

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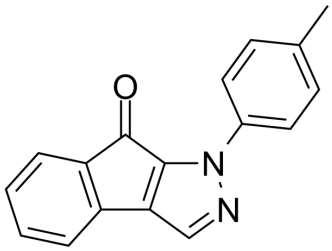
|---|---|
| **Cat. No.:** | HY-146144 |
| **CAS No.:** | 2393928-76-0 |
| **Molecular Formula:** | $C_{17}H_{12}N_2O$ |
| **Molecular Weight:** | 260.29 |
| **Target:** | HIF/HIF Prolyl-Hydroxylase |
| **Pathway:** | Metabolic Enzyme/Protease |
| **Storage:** | Powder -20°C 3 years<br>4°C 2 years<br>In solvent -80°C 6 months<br>-20°C 1 month |



## SOLVENT & SOLUBILITY

**In Vitro**

DMSO : 10 mg/mL (38.42 mM; ultrasonic and warming and heat to 60°C)

| Preparing Stock Solutions | Solvent / Mass / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|---|
| | 1 mM | 3.8419 mL | 19.2093 mL | 38.4187 mL |
| | 5 mM | 0.7684 mL | 3.8419 mL | 7.6837 mL |
| | 10 mM | 0.3842 mL | 1.9209 mL | 3.8419 mL |

Please refer to the solubility information to select the appropriate solvent.

## BIOLOGICAL ACTIVITY

**Description**

HIF-IN-1 (Compound 3c) is a hypoxia-inducible factor (HIF)-1 inhibitor. HIF-IN-1 suppresses HIF-1α protein accumulation without affecting the levels of HIF-1α mRNA. HIF-IN-1 shows no obvious cytotoxicity[1].

## REFERENCES

[1]. Fuse S, et al. Design, synthesis, and evaluation of indeno[2,1-c]pyrazolones for use as inhibitors against hypoxia-inducible factor (HIF)-1 transcriptional activity. Bioorg Med Chem. 2020 Jan 1;28(1):115207.



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