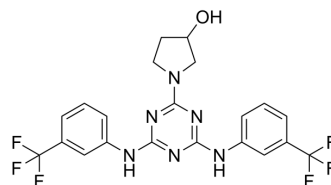


IDH2R140Q-IN-2

| | |
|--------------------|---|
| Cat. No.: | HY-156158 |
| CAS No.: | 2749568-16-7 |
| Molecular Formula: | C ₂₁ H ₁₈ F ₆ N ₆ O |
| Molecular Weight: | 484.4 |
| Target: | Isocitrate Dehydrogenase (IDH) |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

IDH2^{R140Q}-IN-2 (compound 36) is an orally active IDH2^{R140Q} inhibitor (IC₅₀: 29 nM). IDH2^{R140Q}-IN-2 reduces D2HG production in TF-1 cell lines expressing mutant IDH2^{R140Q} (IC₅₀: 10 nM). IDH2^{R140Q}-IN-2 suppresses D2HG levels in tumor tissue. IDH2^{R140Q}-IN-2 can be used for research of acute myeloid leukemia (AML)^[1].

REFERENCES

[1]. Wei Q, et al. Structure-Based Drug Design of Novel Triaminotriazine Derivatives as Orally Bioavailable IDH2^{R140Q} Inhibitors with High Selectivity and Reduced hERG Inhibitory Activity for the Treatment of Acute Myeloid Leukemia. *J Med Chem.* 2023 Sep 28;66(18):12894-12910.

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

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