

HIF-1 α -IN-4

Chemical Properties

CAS No. :

Formula: C₁₆H₁₂N₂O₃

Molecular Weight: 280.28

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	HIF-1 α -IN-4 is an inhibitor of HIF-1 α with IC ₅₀ of 24 nM in HEK293T cells which has potential antitumor effects. HIF-1 α -IN-4 downregulates VEGF and PDK1 mRNA expressions under hypoxia [1].
In vitro	HIF-1 α -IN-4 (compound 31, 24h) demonstrates inhibitory activity on HIF-1 α transcription in HEK293T cells, exhibiting an IC ₅₀ of 24 nM [1]. Additionally, at concentrations ranging from 0-50 μ M over 24 hours, it dose-dependently diminishes the expressions of VEGF and PDK1 mRNA in HEK293T cells under hypoxic conditions, as evidenced by RT-PCR [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5679 mL	17.8393 mL	35.6786 mL
5 mM	0.7136 mL	3.5679 mL	7.1357 mL
10 mM	0.3568 mL	1.7839 mL	3.5679 mL
50 mM	0.0714 mL	0.3568 mL	0.7136 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481