

# Product data sheet



MedKoo Cat#: 561395 Name: GN44028 CAS: 1421448-26-1 Chemical Formula: C <sub>18</sub> H <sub>15</sub> N <sub>3</sub> O <sub>2</sub> Exact Mass: 305.1164 Molecular Weight: 305.337	
Product supplied as:	Powder
Purity (by HPLC):	≥ 98%
Shipping conditions	Ambient temperature
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.

## 1. Product description:

GN44028 inhibits HIF-1 $\alpha$ . GN44028 suppresses HIF-1 $\alpha$  transcriptional activity without affecting both HIF-1 $\alpha$  protein accumulation and HIF-1 $\alpha$ /HIF-1 $\beta$  heterodimerization in nuclei under the hypoxic conditions, suggesting that GN44028 probably affects the transcriptional pathway induced by the HIF-1 $\alpha$ /HIF-1 $\beta$  heterodimer.

## 2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

## 3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	40.27	131.87
Ethanol	30.53	99.99

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	3.28 mL	16.38 mL	32.75 mL
5 mM	0.66 mL	3.28 mL	6.55 mL
10 mM	0.33 mL	1.64 mL	3.28 mL
50 mM	0.07 mL	0.33 mL	0.66 mL

## 5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

## 6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

## 7. Bioactivity

Biological target:

GN44028 is a potent and orally active hypoxia inducible factor (HIF)-1 $\alpha$  inhibitor, with an IC<sub>50</sub> of 14 nM.

In vitro activity

TBD

In vivo activity

TBD

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*Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.*