

**Product Name:** GN 44028

**Catalog No.:** 5655

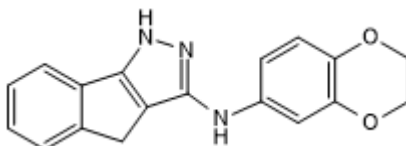
**Batch No.:** 1

CAS Number: 1421448-26-1

IUPAC Name: *N*-(2,3-Dihydro-1,4-benzodioxin-6-yl)-1,4-dihydroindeno[1,2-*c*]pyrazol-3-amine

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>18</sub>N<sub>15</sub>N<sub>3</sub>O<sub>2</sub>  
**Batch Molecular Weight:** 305.33  
**Physical Appearance:** Tan solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 100 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.03 (Ethyl acetate:Petroleum ether [1:3])  
**HPLC:** Shows 100% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	70.81	4.95	13.76
Found	70.54	4.81	13.77

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**Description:**

Potent HIF-1 $\alpha$  inhibitor (IC<sub>50</sub> = 14 nM). Inhibits hypoxia-induced HIF-1 $\alpha$  transcriptional activity without suppressing HIF-1 $\alpha$  mRNA expression, HIF-1 $\alpha$  protein accumulation, or HIF-1 $\alpha$ /HIF-1 $\beta$  heterodimerization. Cytotoxic to a range of cancer cell types in vitro.

**Physical and Chemical Properties:**

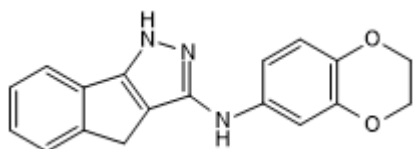
Batch Molecular Formula: C<sub>18</sub>N<sub>5</sub>N<sub>3</sub>O<sub>2</sub>

Batch Molecular Weight: 305.33

Physical Appearance: Tan solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**References:**

**Minegishi et al** (2013) Discovery of indenopyrazoles as a new class of hypoxia inducible factor (HIF)-1 inhibitors. *ACS Med.Chem.Lett.* 4 297. PMID: 24900662.

**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 100 mM  
ethanol to 100 mM

**Stability and Solubility Advice:**

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

**SOLIDS:** Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

**SOLUTIONS:** We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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