

**Product Name:** GN 44028

**Catalog No.:** 5655

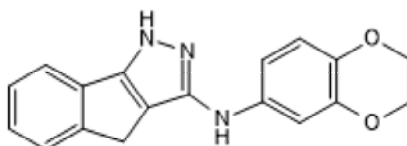
**Batch No.:** 2

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>5</sub>N<sub>3</sub>O<sub>2</sub>  
**Batch Molecular Weight:** 305.33  
**Physical Appearance:** Beige solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 100 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 99.0% 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       | 70.63  | 4.93     | 13.86    |

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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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:**

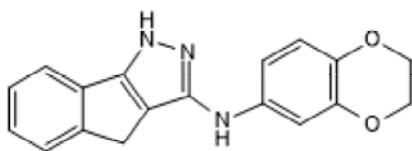
Batch Molecular Formula: C<sub>18</sub>N<sub>15</sub>N<sub>3</sub>O<sub>2</sub>

Batch Molecular Weight: 305.33

Physical Appearance: Beige solid

**Minimum Purity:**  $\geq$ 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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**bio-techne.com**

info@bio-techne.com  
techsupport@bio-techne.com

**North America**

Tel: (800) 343 7475

**China**

info.cn@bio-techne.com  
Tel: +86 (21) 52380373

**Europe Middle East Africa**

Tel: +44 (0)1235 529449

**Rest of World**

www.tocris.com/distributors  
Tel:+1 612 379 2956