

**Product Name:** PF 05175157

**Catalog No.:** 5790

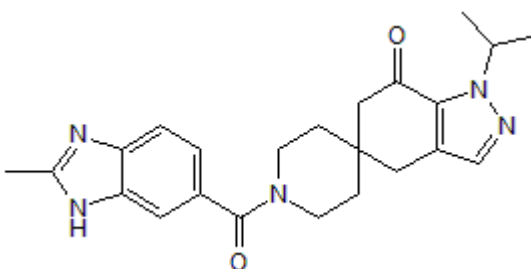
**Batch No.:** 1

CAS Number: 1301214-47-0

IUPAC Name: 1,4-Dihydro-1'-[2-methyl-1*H*-benzimidazol-6-yl]carbonyl]-1-(1-methylethyl)-spiro[5*H*-indazole-5,4'-piperidin]-7(6*H*)-one

## 1. PHYSICAL AND CHEMICAL PROPERTIES

<b>Batch Molecular Formula:</b>	C <sub>23</sub> H <sub>27</sub> N <sub>5</sub> O <sub>2</sub>
<b>Batch Molecular Weight:</b>	405.49
<b>Physical Appearance:</b>	White solid
<b>Solubility:</b>	DMSO to 50 mM ethanol to 20 mM
<b>Storage:</b>	Store at +4°C
<b>Batch Molecular Structure:</b>	



## 2. ANALYTICAL DATA

<b>HPLC:</b>	Shows 99.1% purity
<b><sup>1</sup>H NMR:</b>	Consistent with structure
<b>Mass Spectrum:</b>	Consistent with structure
<b>Microanalysis:</b>	

	Carbon	Hydrogen	Nitrogen
Theoretical	63.13	6.71	17.27
Found	68.08	6.81	17.28

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

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**Description:**

Acetyl-CoA carboxylase (ACC) 2 and 1 inhibitor (IC<sub>50</sub> values are 45 and 98 nM, respectively). Reduces hepatic and skeletal muscle malonyl-CoA levels in rats. Also inhibits hepatic de novo lipogenesis and reduces whole body respiratory exchange ratio in rats. Orally bioavailable.

**Physical and Chemical Properties:**

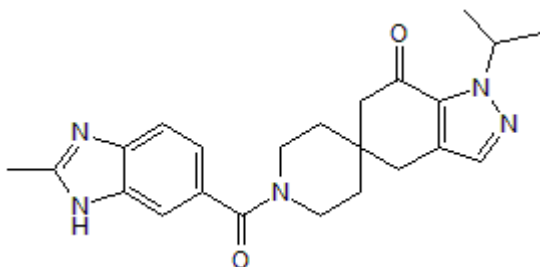
Batch Molecular Formula: C<sub>23</sub>H<sub>27</sub>N<sub>5</sub>O<sub>2</sub>

Batch Molecular Weight: 405.49

Physical Appearance: White solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 50 mM  
ethanol to 20 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.

**References:**

**Griffith et al** (2014) Decreasing the rate of metabolic ketone reduction in the discovery of a clinical acetyl-CoA carboxylase inhibitor for the treatment of diabetes. *J.Med.Chem.* **57** 10512. PMID: 25423286.

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