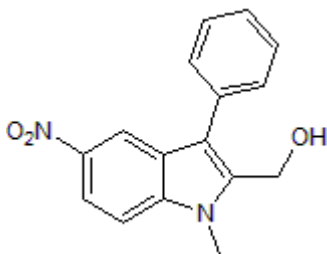


**Product Name:** ML 354  
**CAS Number:** 89159-60-4  
**IUPAC Name:** 1-Methyl-5-nitro-3-phenyl-1*H*-indole-2-methanol

**Catalog No.:** 5387      **Batch No.:** 1

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:**  $C_{16}H_{14}N_2O_3 \cdot \frac{1}{4}H_2O$   
**Batch Molecular Weight:** 286.79  
**Physical Appearance:** Yellow solid  
**Solubility:** DMSO to 100 mM  
 ethanol to 10 mM with gentle warming  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**HPLC:** Shows 98.3% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	67.01	5.1	9.77
Found	67.33	4.88	9.82

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

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**Catalog No.:** 5387

**Batch No.:** 1

CAS Number: 89159-60-4

IUPAC Name: 1-Methyl-5-nitro-3-phenyl-1*H*-indole-2-methanol

**Description:**

Selective PAR<sub>4</sub> antagonist (IC<sub>50</sub> = 140 nM). Exhibits 70-fold selectivity for PAR<sub>4</sub> over PAR<sub>1</sub>.

**Physical and Chemical Properties:**

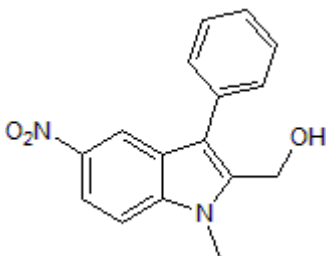
Batch Molecular Formula: C<sub>16</sub>H<sub>14</sub>N<sub>2</sub>O<sub>3</sub>·¼H<sub>2</sub>O

Batch Molecular Weight: 286.79

Physical Appearance: Yellow solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol to 10 mM with gentle warming

**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:**

Wen *et al* (2014) Substituted indoles as selective protease activated receptor 4 (PAR<sub>4</sub>) antagonists: Discovery and SAR of ML354. *Bioorg.Med.Chem.Lett.* **24** 4708. PMID: 25176330.

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