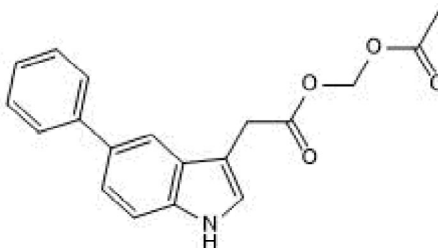


**Product Name:** 5-Ph-IAA-AM**Catalog No.:** 7893**Batch No.:** 1

CAS Number: 2990123-10-7

IUPAC Name: Acetoxymethyl 2-(5-phenyl-1*H*-indol-3-yl)acetate**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>19</sub>H<sub>17</sub>NO<sub>4</sub>.  
**Batch Molecular Weight:** 323.35  
**Physical Appearance:** Light pink solid  
**Solubility:** DMSO to 100 mM  
ethanol to 10 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**

**2. ANALYTICAL DATA**

**HPLC:** Shows 99.8% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	70.58	5.3	4.33
Found	70.36	5.3	4.31

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

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**Product Name:** 5-Ph-IAA-AM

**Catalog No.:** 7893

**1**

CAS Number: 2990123-10-7

IUPAC Name: Acetoxymethyl 2-(5-phenyl-1*H*-indol-3-yl)acetate

**Description:**

5-Ph-IAA-AM is a potent and selective "Bump & Hole" TAG Degradar, for use within an auxin-inducible degron (AID2) system; it is an egg-permeant analog of 5-Ph-IAA (Cat. No. 7392). 5-Ph-IAA-AM induces selective degradation of a target protein tagged with a single-point mutant AtTIR1<sup>F79G</sup> F-box protein. 5-Ph-IAA-AM induces target protein degradation in *C. elegans* embryos. No developmental abnormality is observed when the embryos are treated with 50 μM 5-Ph-IAA-AM.

**Physical and Chemical Properties:**

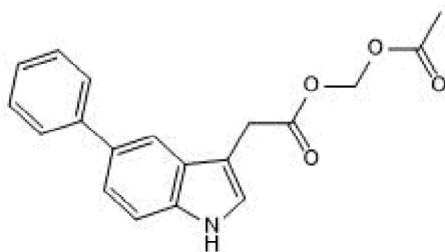
Batch Molecular Formula: C<sub>19</sub>H<sub>17</sub>NO<sub>4</sub>.

Batch Molecular Weight: 323.35

Physical Appearance: Light pink solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO to 100 mM

ethanol to 10 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. \*Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

**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:**

**Negishi *et al*** (2022) The auxin-inducible degron 2 (AID2) system enables controlled protein knockdown during embryogenesis and development in *Caenorhabditis elegans*. *Genetics* **220** iyab218. PMID: 34865044.

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