

**Product Name:** A 366

**Catalog No.:** 5163

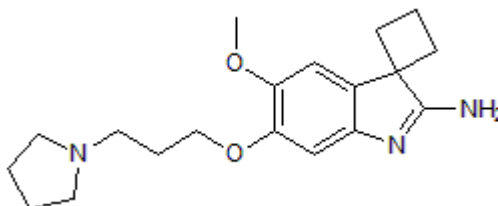
**Batch No.:** 1

**CAS Number:** 1527503-11-2

**IUPAC Name:** 5'-Methoxy-6'-[3-(1-pyrrolidinyl)propoxy]spiro[cyclobutane-1,3'-[3*H*]indol]-2'-amine

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>19</sub>H<sub>27</sub>N<sub>3</sub>O<sub>2</sub>·½H<sub>2</sub>O  
**Batch Molecular Weight:** 338.45  
**Physical Appearance:** Cream solid  
**Solubility:** 1eq. HCl to 100 mM  
DMSO to 100 mM  
**Storage:** Store at -20°C  
**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**TLC:** R<sub>f</sub> = 0.26 (10% 2M NH<sub>3</sub>/MeOH in DCM)  
**HPLC:** Shows 99.2% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon Hydrogen Nitrogen		
Theoretical	67.43	8.34	12.42
Found	67.04	8.18	12.25

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

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**Description:**

Potent and selective G9a/GLP histone lysine methyltransferase inhibitor ( $IC_{50}$  = 3.3 nM). Exhibits >1000-fold selectivity for G9a/GLP over 21 other methyltransferases. Decreases levels of lysine 9 dimethylation on histone H3 (H3K9Me2) in PC3 cells.

**Physical and Chemical Properties:**

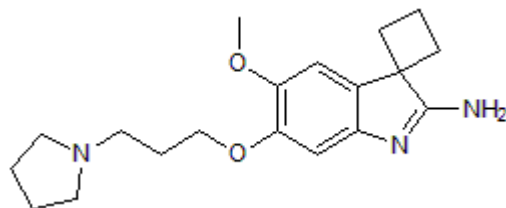
Batch Molecular Formula:  $C_{19}H_{27}N_3O_2 \cdot \frac{1}{2}H_2O$

Batch Molecular Weight: 338.45

Physical Appearance: Cream solid

**Minimum Purity:** >98%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**Solubility & Usage Info:**

1eq. HCl to 100 mM

DMSO 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.

**References:**

**Sweis *et al*** (2014) Discovery and development of potent and selective inhibitors of histone methyltransferase G9a. *ACS Med.Chem.Lett.* **5** 205. PMID: 24900801.

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