

## Certificate of Analysis

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**Product Name:** FGIN-1-43

**Catalog No.:** 0659

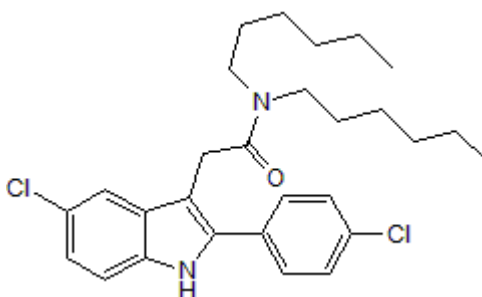
**Batch No.:** 2

**CAS Number:** 145040-29-5

**IUPAC Name:** *N,N*-Dihexyl-2-(4-chlorophenyl)-5-chloroindole-3-acetamide

### 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>28</sub>H<sub>36</sub>Cl<sub>2</sub>N<sub>2</sub>O  
**Batch Molecular Weight:** 487.51  
**Physical Appearance:** Light cream crystalline solid  
**Solubility:** DMSO to 50 mM  
**Storage:** Store at RT  
**Batch Molecular Structure:**



### 2. ANALYTICAL DATA

**TLC:** R<sub>f</sub> = 0.66 (Dichloromethane:Methanol [98:2])  
**Melting Point:** Between 79 - 80°C  
**HPLC:** Shows 99.7% purity  
**<sup>1</sup>H NMR:** Consistent with structure

**Microanalysis:**

|             | Carbon Hydrogen Nitrogen |      |      |       |
|-------------|--------------------------|------|------|-------|
| Theoretical | 68.98                    | 7.44 | 5.75 | 0 0 0 |
| Found       | 68.85                    | 7.45 | 5.72 | 0 0 0 |

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

## Product Information

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**CAS Number:** 145040-29-5

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### Description:

Most active of the 2-aryl-3-indoleacetamides; a new class of potent and specific ligands as probes for the mitochondrial DBI receptor (peripheral benzodiazepine receptor).

### Physical and Chemical Properties:

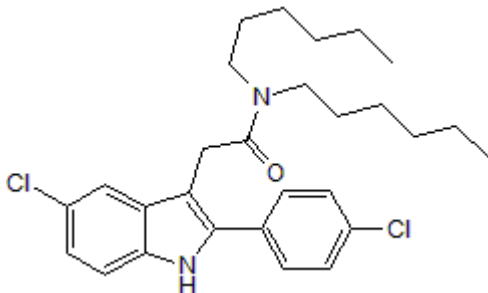
Batch Molecular Formula: C<sub>28</sub>H<sub>36</sub>Cl<sub>2</sub>N<sub>2</sub>O

Batch Molecular Weight: 487.51

Physical Appearance: Light cream crystalline solid

**Minimum Purity:** >98%

### Batch Molecular Structure:



**Storage:** Store at RT

### Solubility & Usage Info:

DMSO to 50 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:

**Romeo *et al*** (1992) 2-Aryl-3-indoleacetamides (FGIN-1): a new class of potent and specific ligands for the mitochondrial DBI receptor (MDR). *J.Pharmacol.Exp.Ther.* **262** 971. PMID: 1326631.

**Kozikowski *et al*** (1993) Chemistry, binding affinities, and behavioural properties of a new class of "antineophobic" mitochondrial DBI receptor (mDRC) ligands. *J.Med.Chem.* **36** 2908. PMID: 8411007.

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