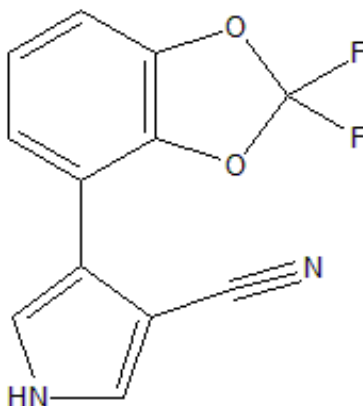


Certificate of Analysis

Product Information



| | |
|-------------------------|---|
| <i>PRODUCT</i> | Fludioxonil |
| <i>BATCH #</i> | PA-047-118-301 |
| <i>ASSAY METHOD</i> | HPLC-UV, LC-MS, ¹ HNMR, ¹³ CNMR, ¹⁹ FNMR |
| <i>REPORT DATE</i> | 2/7/2023 |
| <i>CHEMICAL NAME</i> | 4-(2,2-difluoro-1,3-benzodioxol-4-yl)-1H-pyrrole-3-carbonitrile |
| <i>SMILES STRUCTURE</i> | <chem>C1=CC(=C2C(=C1)OC(O2)(F)F)C3=CNC=C3C#N</chem> |
| <i>OTHER NAMES</i> | N/A |
| <i>CHEMICAL FORMULA</i> | C ₁₂ H ₆ F ₂ N ₂ O ₂ |
| <i>MOLECULAR WEIGHT</i> | 248.19 g/mol |
| <i>CAS REG. #</i> | 131341-86-1 |
| <i>STORAGE</i> | <-18 degrees C; dark |
| <i>EXPIRATION DATE</i> | 2/7/2026 |
| <i>NOTES</i> | N/A |

Analytical Data

| TEST | METHOD | SPECIFICATION | RESULT |
|---------------------|-------------------|---------------|----------|
| HPLC-UV | 250 nm | >99.5% | 100.0% |
| ¹ H-NMR | | Conforms | Conforms |
| ¹³ C-NMR | | Conforms | Conforms |
| ¹⁹ F-NMR | | Conforms | Conforms |
| Appearance | White Crystalline | | |

The producer certifies that this reference material meets the specifications stated in this certificate until the expiration date, provided it is stored unopened at the recommended conditions. All analytical data is prepared and stored following GLP guidelines.

| CERTIFIED BY | CERTIFIED TITLE | CERTIFIED ON | SIGNATURE |
|----------------|-----------------|--------------|---|
| Vitold Glinski | CEO | 2/13/2023 |  |

Intended Use

This reference material is intended for laboratory use in analytical applications and as a quality control standard.

Safety

Proper precautions should be observed while handling, as defined in the Materials Safety Data Sheet (MSDS).

Storage

The product should be stored in the original packaging, sealed, and in the conditions dedicated in this certificate