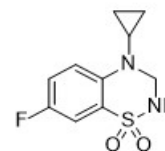


# Certificate of Analysis



## Product Identification

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Catalog number          | HB19154                                                                  |
| Compound name           |                                                                          |
| Chemical name           | 4-Cyclopropyl-3,4-dihydro-7-fluoro-2H-1,2,4-benzothiadiazine 1,1-dioxide |
| Basic molecular formula | C <sub>10</sub> H <sub>11</sub> FN <sub>2</sub> O <sub>2</sub> S         |
| Basic molecular weight  | 242.27                                                                   |
| Batch number            | E2996-2-2                                                                |
| Batch molecular formula | C <sub>10</sub> H <sub>11</sub> FN <sub>2</sub> O <sub>2</sub> S         |
| Batch molecular weight  | 242.27                                                                   |
| Origin                  | Synthetic                                                                |



## Chemical Structure

| Method              | QC requirement                                                              | QC Result                                  |
|---------------------|-----------------------------------------------------------------------------|--------------------------------------------|
| HPLC                | Reverse Phase HPLC shows >98% purity                                        | Meets specification: 99.7%                 |
| NMR                 | <sup>1</sup> H NMR in D <sub>2</sub> O at 400 MHz consistent with structure | Meets specification                        |
| Mass spectrum       | Electrospray positive analysis consistent with structure                    | Meets specification                        |
| Microanalysis       | Elemental analysis is within 0.4% for the batch molecular formula           | Meets specification                        |
| TLC                 | TLC analysis in 5% MeOH/DCM shows one spot under UV                         | Meets specification: R <sub>F</sub> = 0.83 |
| Physical appearance | White to off-white solid                                                    | Meets specification: White solid           |
| Solubility          | Soluble in DMSO (100mM)                                                     | Meets specification                        |

Produced by Anna Mogford

Signature *Anna Mogford*

Passed by Steve Roome

Signature *Steve Roome*

Date 20/08/2025

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.