

Shanghai Aladdin Biochemical Technology Co., LTD  
809 Chuhua Branch Road, Fengxian District, Shanghai 201400, China

## Certificate of Analysis

|                          |                                     |
|--------------------------|-------------------------------------|
| Date of Testing:         | 2024-09-23 14:02:43                 |
| Date of Next Testing:    | 2027-09-23 14:02:43                 |
| Product Name:            | <b>TAK-441</b>                      |
| CAS Number:              | 1186231-83-3                        |
| Specifications & Purity: | ≥98%                                |
| Lot #:                   | I2413599                            |
| SKU #                    | <b>T614313</b>                      |
| Version                  | <b>1</b>                            |
| Analysis #:              | <b>373393</b>                       |
| Storage Temperature:     | Protected from light,Store at -20°C |

| Parameter                | Limit Values          | Result                |
|--------------------------|-----------------------|-----------------------|
| Purity(HPLC)             | 98-100 (%)            | 98.01000 %            |
| LC-MS for identification | Conforms              | Conforms              |
| Proton NMR spectrum      | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager