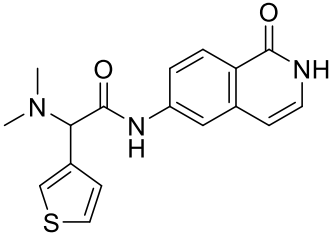




Certificate of Analysis

| | | |
|---------------------|----------------------|--------------|
| MedKoo Cat#: | Product Name: | Lot#: |
| 319562 | Verosudil | Y7X08M22 |

| | |
|--|--|
| Chemical name | |
| 2-(dimethylamino)-N-(1-oxo-1,2-dihydroisoquinolin-6-yl)-2-(thiophen-3-yl)acetamide | |
| Synonyms | |
| AR-12286; AR12286; AR 12286; Verosudil; Verosudil free base | |
| Chemical structure | CAS# and Theoretical analysis |
|  | MedKoo Cat#: 319562 Name: Verosudil CAS#: 1414854-42-4 (free base) Lot# Y7X08M22 Chemical Formula: C ₁₇ H ₁₇ N ₃ O ₂ S Exact Mass: 327.1041 Molecular Weight: 327.40 |

| Analysis item | Specifications / Results |
|---------------------------|--|
| Appearance | White to off-white solid powder |
| Structure | ¹ H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature. |
| Purity (HPLC) | >99.0% |
| Solubility | Soluble in DMSO. |
| Conclusion | This product conforms with MedKoo's quality standards |
| Shipping condition | Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs. |
| Storage condition | Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition |
| Shelf life | At least 5 years if properly stored. |

CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE