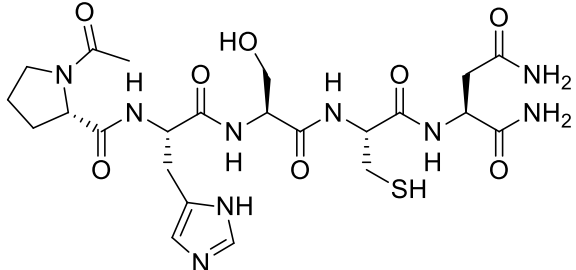




Certificate of Analysis

| | | |
|---------------------|----------------------|--------------|
| MedKoo Cat#: | Product Name: | Lot#: |
| 200350 | ATN-161 (free base) | BBC41015 |

| | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chemical name | |
| (S)-2-((R)-2-((S)-2-((S)-2-((S)-1-acetylpyrrolidine-2-carboxamido)-3-(1H-imidazol-5-yl)propanamido)-3-hydroxypropanamido)-3-mercaptopropanamido)succinamide | |
| Synonyms | |
| ATN-161; ATN161; ATN 161; Ac-PHSCN-NH2 | |
| Chemical structure | CAS# and Theoretical analysis |
|  | MedKoo Code#: 200350 Name: ATN-161 (free base) CAS#: 262438-43-7 Lot#:BBC41015 Chemical Formula: C ₂₃ H ₃₅ N ₉ O ₈ S Exact Mass: 597.23293 Molecular Weight: 597.64 |

| 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) | >98.0% |
| 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