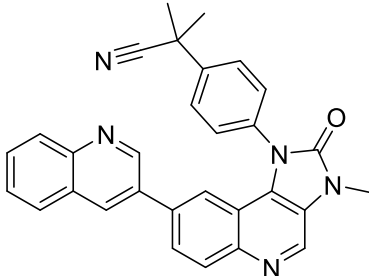




Certificate of Analysis

| | | |
|---------------------|----------------------|--------------|
| MedKoo Cat#: | Product Name: | Lot#: |
| 200491 | Dactolisib | C9R11B26 |

| | |
|--|---|
| Chemical name | |
| 2-Methyl-2-[4-[3-methyl-2-oxo-8-(quinolin-3-yl)-2,3-dihydroimidazo[4,5-c]quinolin-1-yl]phenyl]propionitrile. | |
| Synonyms | |
| BEZ235; BEZ-235; BEZ 235; NVPBEZ235; NVP-BEZ235; NVP-BEZ-235; NVP-BEZ 235; Dactolisib. | |
| Chemical structure | CAS# and Theoretical analysis |
|  | MedKoo Cat#: 200491 Name: Dactolisib CAS#: 915019-65-7 (free base) Lot#: C9R11B26 Chemical Formula: C ₃₀ H ₂₃ N ₅ O Exact Mass: 469.19026 Molecular Weight: 469.54 |

| 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