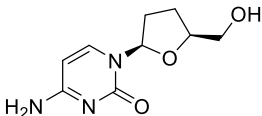


# Certificate of Analysis

| MedKoo Cat#: | Product Name: | Lot#:     |
|--------------|---------------|-----------|
| 318991       | Zalcitabine   | C20M02C03 |

| Chemical name   |   |
|---|---|
| 4-amino-1-((2R,5S)-5-(hydroxymethyl)tetrahydrofuran-2-yl)pyrimidin-2(1H)-one                                      |   |
| Synonyms  |   |
| NSC606170; NSC 606170; NSC-606170; Zalcitabine; 2' -3' -dideoxycytidine; ddC; dideoxycytidine, Brand name: Hivid. |   |
| Chemical structure  | CAS# and Theoretical analysis   |
|                                  | MedKoo Cat#: 318991<br>Name: Zalcitabine<br>CAS#: 7481-89-2<br>Lot#: C20M02C03<br>Chemical Formula: C <sub>9</sub> H <sub>13</sub> N <sub>3</sub> O <sub>3</sub><br>Exact Mass: 211.09569<br>Molecular Weight: 211.22 |

| Analysis item      | Specifications / Results   |
|--------------------|--|
| Appearance         | White to off-white solid powder  |
| Structure          | <sup>1</sup> 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)      | >95.0%.  |
| 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<br>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**