

Certificate of Analysis

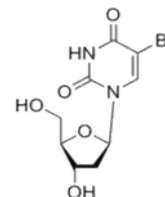


Product Identification

Catalog number HB0979
Compound name BrdU
Chemical name 5-Bromo-2-deoxyuridine

Batch number E0737-1-1
Batch molecular formula $C_9H_{11}N_2O_5Br$
Batch molecular weight 307.10

Chemical Structure



Method

QC requirement

QC Result

| | | |
|----------------------------|--|--|
| HPLC NMR | Reverse Phase HPLC shows >98% purity 1H NMR consistent with structure | Meets specification: 99.5% Meets specification |
| Optical rotation | Specific rotation in water measured between +22° and +24° | Meets specification: $[\alpha]_D = +22.7^\circ$ (c=1, water) |
| Physical appearance | White to off-white solid | Meets specification: Off-white solid |

Produced by

Signature

Passed by

Signature

Date

29-03-22