



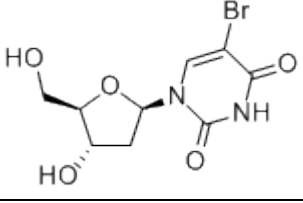
HANGZHOU DINGYAN CHEM CO.,LTD

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## CERTIFICATE OF ANALYSIS

NO: **DYC091612237**

Product name	5-Bromo-2-Deoxyuridine
CAS Number	59-14-3
Molecule Structure	
Molecule Formula	C <sub>9</sub> H <sub>11</sub> BrN <sub>2</sub> O <sub>5</sub>
Batch number	DYC20180420
Manufacture Date	2018-04-20
Testing date	2018-04-21

SPECIFICATION	STANDARD	RESULTS
Appearance	White to white with a faint yellow powder	White powder
Solubility	Soluble in 0.1N NaOH and DMF, sparingly soluble in water, slightly soluble in ethanol and acetone, practically insoluble in ether	
<sup>1</sup> HNMR	Conforms to structure	Conforms
Purity (HPLC)	>99.0%	99.9%
UV Content (on dry basis) (ε <sub>280nm</sub> =9200, 0.1MHCl)	≥98%	100%
Water Content (K.F.)	<2%	0.6%
Optical Rotation	+23.0°( C=1%,H <sub>2</sub> O)	+22.5°
C (elemental analysis)	35.17%±3%	35.2%
N (elemental analysis)	9.12%±3%	8.5%
Heavy metals	<10ppm	1ppm
Ratio of Absorbances(pH2)	0.47 ~ 0.53 (A <sub>250</sub> /A <sub>260</sub> )	0.51
	1.87~ 1.93 (A <sub>280</sub> /A <sub>260</sub> )	1.92
	1.45~ 1.55 (A <sub>290</sub> /A <sub>260</sub> )	1.5

QUALITY CONTROL: Hangzhou Dingyan Chem Co., Ltd.  
Quality Control .....  
*Nobby*  
Signature(s)

CHECK: 姚仙娟

INSPECTOR: 刘清风