

CERTIFICATE OF ANALYSIS

Product name:	<b>10-DAB III(10-Deacetyl Baccatin III)</b>		
Botanical latin name	Taxus baccata	Plant part	Leaves
CAS No:	32981-86-5	Ref.standard	Enterprise standard
Batch Number:	NF-20190803	Manu. Date:	Aug.03.2019
Batch Quantity:	7450g	Expiration Date:	Aug.02.2021
Molecular Formula:	C <sub>29</sub> H <sub>36</sub> O <sub>10</sub>	Report Date:	Aug.03.2019
Storage Condition:	Preserve in tight, light-resistant containers, and store at 2°C—8°C.		

TEST ITEM	SPECIFICATION	RESULTS
Appearance	White powder	Confirm
Identification	FT-IR、HPLC、NMR、Mass	Confirm
Melting Point	227°C—230°C	Confirm
Specific Rotation:	-40.0 °~ -45.0 °	Confirm
Loss on Drying	≅ 1.5%	0.89%
Water	≅ 0.5%	0.21%
Residual Solvent (GC)	Total residual solvents ≅ 1.5%	0.83%
	ethyl acetate ≅ 8000 PPM	4320PPM
	Acetonitrile ≅ 6000 PPM	2620PPM
	Acetone ≅ 500 PPM	190 PPM
	dichlormethane ≅ 500 PPM	100 PPM
Single largest impurity (Except for the following):	≅ 0.15%	0.09%
10-Deacetyl-19-hydroxybaccatin III:	≅ 0.5%	0.16%
10-deacetyl-2-debenzoyl-2-tigloybaccatin III:	≅ 0.5%	0.13%
10-Deacetyl paclitaxel:	≅ 1.0%(HPLC:16.447m)	Absence
10-Deacetyl paclitaxel ethyl analog:	≅ 0.3%	0.08%
10-Deacetyl paclitaxel propyl analog:	≅ 0.4%	0.22%
10-Deacetyl paclitaxel cephalomannine:	≅ 0.5%	Absence
Single largest impurity	≅ 0.5%	0.22%
Total impurity	≅ 1.0%	0.69%
Assay (HPLC)	Min 99%	99.67%

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QC:Niu Jicheng

