

QUALITY SPECIFICATION

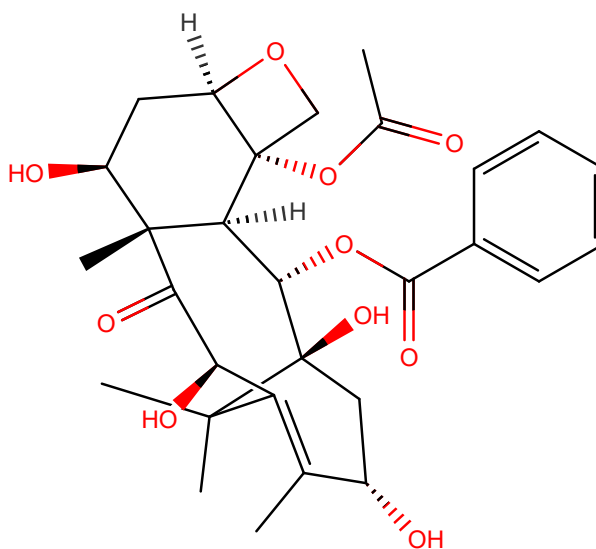
10-Deacetylbaccatin III

Catalog No.: NST-10-203

CAS No.: 32981-86-5

Molecular formula: $C_{29}H_{36}O_{10}$

MW: 544.59



No.	Parameter	Specification	Method
1.	Appearance	Fine powder	Visual
2.	Color	White	Visual
3.	Identification	Conforms	TLC&NMR
4.	Purity	≥99.0%	HPLC
5.	Assay	98.0%-102.0%	HPLC
6.	Sulfated ash	≤0.2 %	In house
7.	Water	≤1.0 %	Karl Fischer titration
8.	Specific rotation	-40° to -45°	Polarimeter
9.	Any unspecified impurity	≤0.15 %	HPLC
10.	Total impurities	≤1.00 %	HPLC
11.	Cyclohexane	≤0.388 %	GC
12.	Acetone	≤0.5 %	GC

13.	Tetrahydrofuran	$\leq 0.072 \%$	GC
14.	Ethyl acetate	$\leq 0.5 \%$	GC
15.	Methanol	$\leq 0.3 \%$	GC
16.	Dichloromethane	$\leq 0.06 \%$	GC
17.	Acetonitrile	$\leq 0.041 \%$	GC

Storage: long term storage - airtight container +2 ... +8 °C

Stability: 24 months when properly stored