

## CERTIFICATE OF ANALYSIS

19-O-beta-D-carboxyglucopyranosyl-12-O-beta-D-glucopyranosyl-11,16-dihydroxyabieta-8,11,13-triene

[ **Catalog No.** ] CFN95217

[ **CAS No.** ] 1011714-20-7

[ **Purity** ]  $\geq 98\%$

[ **M.F** ]  $C_{32}H_{48}O_{15}$

[ **Physical Description** ] Powder

[ **Solvent** ] DMSO, Pyridine, Methanol, Ethanol, etc.

[ **Weight** ] 5mg

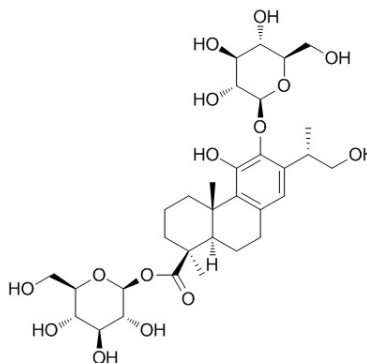
[ **Lot No.** ] CFS202301

[ **Storage** ] Protected from air and light, refrigerate or freeze(2-8 °C)

[ **Intended Use** ] For laboratory use only

[ **Shelf Life** ] 2 years

[ **Chemical Structure** ]



[ **Characterization Data Summary** ]

Analytical Test	Results
Identification by $^1H$ -NMR	Consistent with the above structure
Purity tested	$\geq 98\%$

**Authorized Signature:**

**Date:**