



Certificate of analysis

Productname: (-)-Corey lactone 4-phenylbenzoate alcohol

Cas number: 31752-99-5

Molecular Formula: C₂₁H₂₀O₅

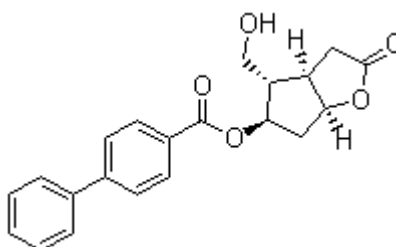
Molecular Weight: 352.39

Date of production: June, 13, 2019

Batch NO: 20190613

Exp Date: June, 12, 2021

Chemical structure:



Items	Specifications	Results
Appearance and Color	White to almost white powder	almost white powder
Solubility	Soluble in chloroform, ethyl acetate, acetone, Practically insoluble in water	conforms
Specific rotation(alpha)	-83 ° to -89 (20°C, C=1, CHCl ₃)	-89 °
Assay(HPLC)	≥99.5%	99.8%
Melting Point	129°C to 134°C	132.5°C ~ 133.0°C
Loss on drying	≤1.0%	0.40%
E.E value	≥99.5%	Comfirm
Each impurity	Methyl p-phenylbenzoate ≤0.5%	Undetected
	Bis corey alcohol ≤0.5%	Undetected
	Other single impurity ≤0.1%	conforms
Residue solvents	Pyridine ≤0.02%	Undetected
	toluene ≤0.09%	Undetected
	hexane ≤0.02%	Undetected
	dichloromethane ≤0.06%	Undetected

Conclusion: It complies with the Enterprise Standard.

Analyst: Zhao

Checker: Liu

Q.C Director: Fang F

