

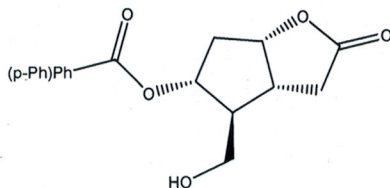


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CERTIFICATE OF ANALYSIS

Product Name: (-)-Corey lactone 4-phenylbenzoate

Structure:



CAS Number: 31752-99-5

Molecular Formula: C₂₁H₂₀O₅

Molecular Weight: 352.38

Batch No.: 2007001

Manufacturing Date: Jul.14, 2020

Retest Date: Jul.13, 2022

Storage: Keep refrigerated at temperature 2~8°C for long-term storage

Tests and Methods	Specifications	Results	
Appearance	Visual test— White to off-white crystalline substance	Conforms	
	Spectrophotometry— NMT 0.080	Conforms	
Identification (IR)	IR spectrum is accordant with that of reference standard	Conforms	
Melting Point	128°C ~ 134°C	133.3°C	
Specific optical rotation	-91.0° ~ -84.0°	-87.5°	
Enantionmetric purity	COREY ALCOHOL-A(+)	NMT 0.1%	Not detected
Purity	COREY ALCOHOL-A(-)	NLT 97.0%	99.89%
	Methyl <i>p</i> -phenylbenzoate	NMT 1.0%	Not detected
	bis-Coreyalcohol	NMT 1.0%	Not detected
	Other single impurities	NMT 0.15%	0.02%
Assay	Not less than 96.0%	100.54%	
Conclusion	Conforms to the requirement of customer standard		

Rep. Date: Jul.17, 2020

Check by: 李吉世

Analyzed by: 王明

Released by QA: 杨平浪

