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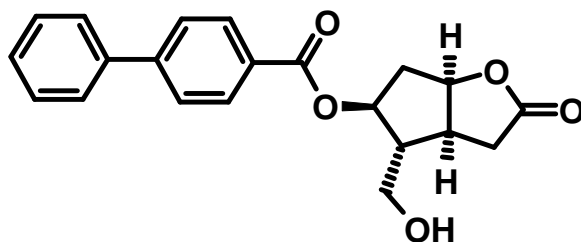
## Product Specifications

### **(-)-Corey Lactone 4-Phenylbenzoate Alcohol**

**CAS** 31752-99-5

**Syn:** (3 $\alpha$ ,4 $\alpha$ ,5 $\beta$ ,6 $\alpha$ )-(-)-Hexahydro-4-(hydroxymethyl)-2-oxo-2H-cyclopenta[b]furan-5-yl 1,1'-Biphenyl-4-carboxylate; (3 $\alpha$ R,4S,5R,6 $\alpha$ S)-(-)-Hexahydro-4-(hydroxymethyl)-2-oxo-2H-cyclopenta[b]furan-5-yl 1,1'-Biphenyl-4-carboxylate

**Structure:**



**Mol. Formula**  
**Source**

**C<sub>21</sub>H<sub>20</sub>O<sub>5</sub>**  
*Synthetic*

**Mol. Wt.**

352.39

<i>Test</i>	<i>Specification</i>
<b>Identity</b>	IR, NMR
<b>Appearance</b>	White/off-white microcryst. powder
<b>Mp</b>	131-132 °C (lit.)
<b>Assay (hplc)</b>	> 98%
<b>Sp. Rot., [<math>\alpha</math>]<sub>D</sub></b>	- 89° (c = 1; CHCl <sub>3</sub> )
<b>Moisture</b>	< 0.5%
<b>Ash (residue on ignition)</b>	< 0.2%
<b>Heavy metals</b>	< 10 ppm

**Storage:** Maintain at or below 2-8 °C.