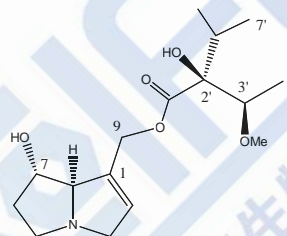


ChemName	Heliotrine
Synonyms	
CASNo	303-33-3
Source/Synthesis	Isol. from <i>Heliotropium europaeum</i>
physical & chemical parameters	C <sub>16</sub> H <sub>27</sub> NO <sub>5</sub>
	313
	Prisms (Me <sub>2</sub> CO)
	Mp 125-126 °C
structure formula	 <p>The structure shows a bicyclic tropane-like core with a nitrogen atom. The core is substituted at the 1-position with a side chain: -CH<sub>2</sub>-CH(OH)-CH<sub>2</sub>-CO<sub>2</sub>-CH(CH<sub>3</sub>)-CH<sub>2</sub>-CH<sub>3</sub>. The carbons in the side chain are numbered 9, 7, 1, 2', 3', and 7' respectively. The hydroxyl group at C-7 is on a dashed bond, and the methyl group at C-3' is on a wedged bond.</p>
NMR	<sup>13</sup> C-NMR(CDCl <sub>3</sub> ): C-1 136.1, C-2 126.9, C-3 61.9, C-5 54.1, C-6 34.3, C-7 75.3, C-8 79.9, C-9 62.5, C-1' 174.6, C-2' 82.5, C-3' 78.5, C-4' 12.4, C-5' 31.9, C-6' 17.1, C-7' 16.6, OMe 57.0
References	1. Asibal C. F. et al., <i>J. Nat. Prod.</i> 1989, 52, 726