

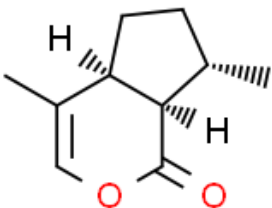
## Certificate of Analysis

Target	Inhibitors & Agonists>>Antibiotics and Antivirals>>Bacterial
Cat.No	DC45397
Name	4 $\alpha$ ,7 $\alpha$ ,7 $\alpha$ -Nepetalactone

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## Chemical Properties

CAS	21651-62-7
Formula	C <sub>10</sub> H <sub>14</sub> O <sub>2</sub>
MW	166.22
Storage	2 years -20°C Powder, 2 weeks 4°C in DMSO, 6 months -80°C in DMSO
Structure	 <p>The image shows the chemical structure of 4<math>\alpha</math>,7<math>\alpha</math>,7<math>\alpha</math>-Nepetalactone. It is a bicyclic molecule consisting of a cyclopentane ring fused to a five-membered lactone ring. The cyclopentane ring has a methyl group at the 4-position and a hydrogen atom at the 7-position, both shown with dashed bonds indicating they are on the same side of the ring. The lactone ring has a carbonyl group at the 2-position and a hydrogen atom at the 7-position, also shown with dashed bonds. The oxygen atoms in the lactone ring are highlighted in red.</p>
Purity	>98%

**Website:**  
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