



**Molecular Weight:** 330.293  
**Accurate Mass:** 330.073955  
**Percentage Composition:** C 61.82%; H 4.27%; O 33.91%  
**Biological Source:** Constit. of *Calycadenia truncata*

>>Derivative: 6,7-Di-Me ether

**Synonym(s):** 4',5,8-Trihydroxy-6,7-dimethoxyflavone. **Isothymusin**

**CAS Registry Number:** 98755-25-0

**Molecular Formula:** C<sub>17</sub>H<sub>14</sub>O<sub>7</sub>  
**Molecular Weight:** 330.293  
**Accurate Mass:** 330.073955  
**Percentage Composition:** C 61.82%; H 4.27%; O 33.91%  
**Source/Synthesis:** Obt. by rearr. of Thymusin  
**Biological Source:** Constit. of *Becium grandiflorum*  
**Physical Description:** No phys. props. reported

>>Derivative: 6,7-Di-Me ether, 8-*O*-β-D-glucopyranoside

**Synonym(s):** Isothymusin 8-glucoside

**CAS Registry Number:** 205682-11-7

**Molecular Formula:** C<sub>23</sub>H<sub>24</sub>O<sub>12</sub>  
**Molecular Weight:** 492.435  
**Accurate Mass:** 492.12678  
**Percentage Composition:** C 56.10%; H 4.91%; O 38.99%  
**Biological Source:** Constit. of *Becium grandiflorum* and *Isodon eriocalyx*  
**UV:** [neutral] λ<sub>max</sub> 275 (); 294 (sh) (); 332 () (MeOH)

>>Derivative: 6,8-Di-Me ether

**Synonym(s):** 4',5,7-Trihydroxy-6,8-dimethoxyflavone. **Desmethoxysudachin.** Demethoxysudachitin

**CAS Registry Number:** 4323-80-2

**Molecular Formula:** C<sub>17</sub>H<sub>14</sub>O<sub>7</sub>  
**Molecular Weight:** 330.293  
**Accurate Mass:** 330.073955  
**Percentage Composition:** C 61.82%; H 4.27%; O 33.91%  
**Biological Source:** Isol. from *Ambrosia deltoidea*, *Citrus sudachi*, *Hymenoxys scaposa* and *Mentha piperita*  
**Physical Description:** Cryst. (EtOH)  
**Melting Point:** Mp 277-279°

>>Derivative: 7,8-Di-Me ether

**Synonym(s):** 4',5,6-Trihydroxy-7,8-dimethoxyflavone. **Thymusin**

**CAS Registry Number:** 76844-66-1

**Molecular Formula:** C<sub>17</sub>H<sub>14</sub>O<sub>7</sub>  
**Molecular Weight:** 330.293  
**Accurate Mass:** 330.073955  
**Percentage Composition:** C 61.82%; H 4.27%; O 33.91%  
**Biological Source:** Constit. of *Thymus membranaceus*  
**Physical Description:** No phys. props. reported

>>Derivative: 7,8-Di-Me ether, 6-*O*-(2-methylpropanoyl)

**Synonym(s):** 6-Isobutyrylthymusin

**Molecular Formula:** C<sub>21</sub>H<sub>20</sub>O<sub>8</sub>  
**Molecular Weight:** 400.384  
**Accurate Mass:** 400.11582  
**Percentage Composition:** C 63.00%; H 5.03%; O 31.97%  
**Biological Source:** Constit. of *Asarina procumbens*