COUMARIN 461

Synonym: 7-(dimethylamino)-4-methyl-2H-1-benzopyran-2-one; Coumarin 311
Catalog No.: 22175
CAS No.: 87-01-4  MW: 203.24
Chemical Formula: C_{12}H_{13}NO_{2}
Appearance: Pale yellow crystalline solid
Structure:

```
   O
   /\n(CH_{3})_{2}N-O-CO
  /  \(b)\)
```

<table>
<thead>
<tr>
<th>Lasing Wavelength</th>
<th>Pump Source</th>
<th>Concentration</th>
<th>Abs (\lambda)-max</th>
<th>Fl (\lambda)-max</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max.\space (nm)</td>
<td>Range\space (nm)</td>
<td>Pump\space (nm)</td>
<td>Solvent</td>
<td>(molar)</td>
</tr>
<tr>
<td>448-464</td>
<td>453</td>
<td>FL(^{8})</td>
<td>Ethanol</td>
<td>2.2 x 10(^{-4})</td>
</tr>
<tr>
<td>(bb)</td>
<td>FL(^{256a})</td>
<td>Ethanol</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(e = \text{ethanol}\)

REFERENCES:


For a current list of biology, biological stain, or biochemistry references for Coumarin 461 from PubMed, click on the following link:

Coumarin 461 or Coumarin 311