Q-SWITCH 5

Synonym: 8-[[3-[(6,7-dihydro-2,4-diphenyl-5H-1-benzopyran-8-yl)methylene]-1-cyclohexen-1-yl[methylene]-5,6,7,8-tetrahydro-2,4-diphenyl-1-benzopyrylium perchlorate

Catalog No.: 10900
CAS No.: 61010-01-3
Chemical Formula: C\textsubscript{50}H\textsubscript{43}O\textsubscript{2}.ClO\textsubscript{4}
Appearance: Black powder
Structure:

![Chemical structure of Q-Switch 5](image)

Lasing Wavelength

<table>
<thead>
<tr>
<th>Max. Range (nm)</th>
<th>Pump Source (nm)</th>
<th>Solvent</th>
<th>Concentration (molar)</th>
<th>Abs (\lambda)-max</th>
<th>FL (\lambda)-max</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330 1180-1530 1210-1340</td>
<td>Nd:YAG(1064,m-l)\textsuperscript{192} Nd:YAG(1064,m-l, compressed to 2 ps)\textsuperscript{240}</td>
<td>Benzyl alcohol</td>
<td>5 \times 10^{-4} 7 \times 10^{-4}</td>
<td>1090 1170</td>
<td></td>
</tr>
</tbody>
</table>

REFERENCES:


For a current list of biology, biological stain, or biochemistry references for Q-Switch 5 from PubMed, click on the following link:

Q-Switch 5