Refractive Influx Rider of L Alaninium Oxalate With Taxol and KMnO4

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Abstract: Equimolar mixture of L Alanine with oxalic acid in methanol solution was stirred well for 60 minutes and the precipitate was filtered to get L Alaninium Oxalate and mixed with Taxol and KMnO4 and orthorhombic crystals of L Alaninium Oxalate were obtained. Space group P212121.a is 5.6304 Å and b is 7.235Å and c is 19.597Å the refractive influx is 2.327μAm/C.

Keywords: L Alaninium Oxalate, Taxol and KMnO4, L Alaninium Oxalate with Taxol and KMnO4 and influx...

1. EXPERIMENTAL

The crystal is grown by solution growth method and equimolar mixture of L Alanine with Oxalic acid in methanol solution and mixed with Taxol and KMnO4 was stirred well for 60 minutes and the precipitate was filtered to get L Alaninium Oxalate crystals and Orthorhombic crystals were obtained.

2. SINGLE CRYSTAL XRD DATA

The single crystal XRD data of 4 APP and L Alaninium Oxalate with Taxol and KMnO4 are given below.

For L Alaninium Oxalate and is of Orthorhombic form and when mixed with Taxol and KMnO4, its lattice parameters varies and given in above Table.1.

Table1. Single crystal XRD data of 4 APP and L Alaninium Oxalate with Taxol and KMnO4

<table>
<thead>
<tr>
<th>Crystals</th>
<th>L Alaninium Oxalate</th>
<th>L Alaninium Oxalate with Taxol and KMnO4</th>
</tr>
</thead>
<tbody>
<tr>
<td>space group</td>
<td>P212121</td>
<td>-</td>
</tr>
<tr>
<td>a</td>
<td>5.6304 Å</td>
<td>5.6815Å</td>
</tr>
<tr>
<td>b</td>
<td>7.2353Å</td>
<td>7.2855Å</td>
</tr>
<tr>
<td>c</td>
<td>19.597Å</td>
<td>19.625Å</td>
</tr>
<tr>
<td>System</td>
<td>Orthorhombic</td>
<td>Orthorhombic</td>
</tr>
</tbody>
</table>

3. KERR’S EFFECT

The Kerr effect, also called the quadratic electro-optic (QEO) effect, is a change in the refractive index of a substance in response to an applied electric field.

All materials show a Kerr effect, but certain liquids display it more strongly than others. Here for L Alaninium Oxalate with Taxol and KMnO4 the refractive influx is 2.327μAm/C.

4. CONCLUSION

The L Alaninium Oxalate and L Alaninium Oxalate with TAXOL and KMnO4 are grown by solution growth method and the lattice parameters are measured using single crystal XRD and the refractive influx is measured by Kerr’s effect and found to be 2.327μAm/C for L Alaninium Oxalate with Taxol and KMnO4. The conjugate base of oxalic acid is the hydrogen oxalate anion, and its conjugate base (oxalate) is a competitive inhibitor of the lactate dehydrogenase (LDH) enzyme. As cancer cells...
preferentially use anaerobic metabolism of LDH has been shown to inhibit tumor formation and growth and thus is an interesting potential course of cancer treatment.

REFERENCES

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