

<b>Section A7.4.2 Bioconcentration</b>		
<b>Annex Point A7.4.2</b>		
<b>JUSTIFICATION FOR NON-SUBMISSION OF DATA</b>		Official use only
<b>Other existing data</b> [ ]	<b>Technically not feasible</b> [ ]	<b>Scientifically unjustified</b> [ ]
<b>Limited exposure</b> [ ]	<b>Other justification</b> [ x ]	
<b>Detailed justification:</b>	<p>According to the Technical Guidance Document on data requirements, the intrinsic potential for bioconcentration in aquatic organisms may be based on physical and chemical parameters. An EPIWIN calculation was performed to estimate the BCF, based on the octanol-water partition coefficient (EPIsuite v3.12, EPA, 2000). The outcome is reproduced below.</p> <p style="text-align: center;">BCF Program (v2.15) Results: =====</p> <p>SMILES : O=C(O)C(O)C  CHEM : Propanoic acid, 2-hydroxy-, (S)-  MOL FOR: C3 H6 O3  MOL WT : 90.08</p> <p style="text-align: center;">----- Bcfwin v2.15 -----  -----</p> <p>Log Kow (estimated) : -0.65  Log Kow (experimental): -0.72  Log Kow used by BCF estimates: -0.72 (user entered)</p> <p>Equation Used to Make BCF estimate:  Log BCF = 0.50 (Ionic; Log Kow dependent)</p> <p style="text-align: center;">Estimated Log BCF = 0.500 (BCF = 3.162)</p>	
<b>Undertaking of intended data submission</b> [ ]	Not applicable	
<b>Evaluation by Competent Authorities</b>		
<i>Use separate "evaluation boxes" to provide transparency as to the comments and views submitted</i>		
<b>EVALUATION BY RAPPORTEUR MEMBER STATE</b>		
<b>Date</b>	2009-04-07	

<b>Section A7.4.2</b>	<b>Bioconcentration</b>
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<b>Evaluation of applicant's justification</b>	<p>Applicant's justification is acceptable with the following comment:</p> <p>The BCF for fish (Formula 74) and BCF for earthworm (Formual 82d) were also calculated according to Technical Guidance Document on Risk Assessment (TGD) by using the experimental log <math>K_{ow}</math> of -0.74 for lactic acid:</p> <p><math>\text{Log BCF}_{\text{fish}} = (0.85 * \text{log } K_{ow}) - 0.7</math></p> <p><b><math>\text{BCF}_{\text{fish}} = 0.049</math></b></p> <p><math>\text{Log BCF}_{\text{earthworm}} = (0.84 + 0.012 * K_{ow}) / \text{RHO}_{\text{earthworm}}</math></p> <p><b><math>\text{BCF}_{\text{earthworm}} = 6.78</math></b></p> <p>For risk assessment the values calculated by RMS were used.</p>
<b>Conclusion</b>	Applicant's justification is acceptable
<b>Remarks</b>	
	<b>COMMENTS FROM OTHER MEMBER STATE (specify)</b>
<b>Date</b>	Give date of comments submitted
<b>Evaluation of applicant's justification</b>	Discuss if deviating from view of rapporteur member state
<b>Conclusion</b>	Discuss if deviating from view of rapporteur member state
<b>Remarks</b>	