



## The tris formulation of Fluorouracil is more cardiotoxic than the sodium-salt formulations

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Résumé en anglais	<p>The cardiotoxicity of 5-fluorouracil (FU) was attributed to degradation compounds present in the injected vials, fluoroacetaldehyde (Facet) and fluoromalonaldehydic acid (FMald). FU-NaOH vials were much less cardiotoxic than FU-Tris vials on the isolated perfused rabbit heart model since Facet and FMald are stored in stable depot forms in FU-Tris vials whereas, in FU-NaOH vials, they are extensively transformed. Cardiotoxic fluoroacetate (FAG), coming from Facet metabolization, was found in urine of patients, with a ratio FAC /FU catabolites 10-30 fold lower in patients treated with FU-NaOH than in those treated with FU-Tris.</p>
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### Liens

- [1] <http://okina.univ-angers.fr/l.lemaire/publications>
- [2] [http://okina.univ-angers.fr/publications?f\[author\]=7148](http://okina.univ-angers.fr/publications?f[author]=7148)
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