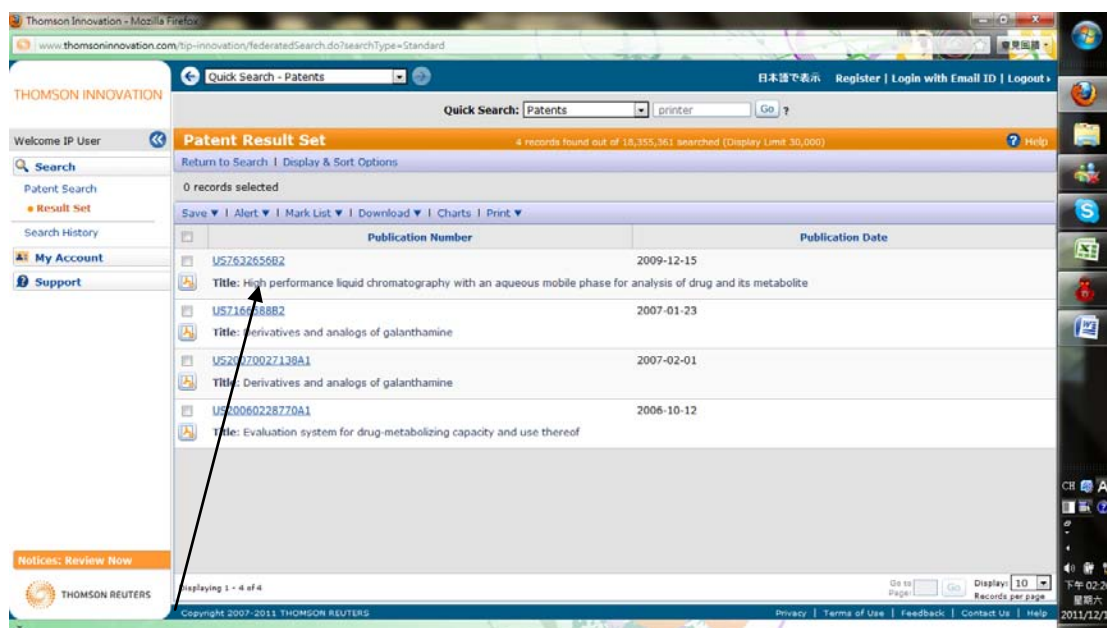


(登入後的頁面) (查詢 HPLC caffeine)



(找到四個結果 第一個是我要找的結果)

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DWPI Title ?
System useful for measuring amount of drug consumed by specific drug metabolic enzyme, has packing agent which is coated with polymer that controls temperature by utilizing chromatography having aqueous mobile phase
Original Title ?
High performance liquid chromatography with an aqueous mobile phase for analysis of drug and its metabolite
Abstract ?
The amount of drug consumption caused by a specific drug-metabolizing enzyme and/or the amount of the resulting metabolite(s) is measured by chromatography with an aqueous mobile phase under temperature control using a packing material whose surface is coated with a polymer having a hydration force varying in the temperature range of 0° C. to 80° C. This system enables proper evaluation of drug-metabolizing capacity through simple means without adversely affecting the environment.
First Claim ?
1. A method for measurement of an amount of drug metabolized by a specific drug metabolizing enzyme and/or an amount of the resulting metabolite(s), the method comprising:
• (a) preparing a sample to be measured, wherein the sample to be measured comprises the drug and/or its metabolite(s);
• (b) separating solutes in the sample by high performance liquid chromatography with an aqueous mobile phase under temperature control using a packing material whose surface is coated with a temperature responsive polymer having a hydration force varying in the temperature range of 0° C. to 80° C.; and
• (c) measuring the amount of drug metabolized by a specific drug metabolizing enzyme and/or the amount of the resulting metabolite(s).
Images
Image 1/6
Zoom (+)
Figure 1
a) Measurement temperature: 10°C
Reference standard
Metabolized sample
Absorbance (AU)
Retention time (min)
b) Measurement temperature: 40°C
Reference standard
Metabolized sample
Absorbance (AU)
Retention time (min)
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(查到的資料是利用 HPLC 來分析咖啡因的代謝成果)

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