Hepatoprotectant (APAP and other agents)

**OCR Number:** OCR 4554

**Description:**

- OCR4554 is an approved drug used by countless patients world-wide (WW).
- Acetaminophen (APAP) sales
  - Dozens of companies have OTC sales
  - Tylenol’s 20.3% market share and $850M WW/yr
- Large percentage of population have vulnerable livers and would benefit from safer APAP (Figure 1).
- APAP overdose among most common WW
  - FDA has long wrestled with safety vs. efficacy for APAP
  - US: 56,000 ER visits/yr
  - 100 unintentional deaths/yr
  - 51% of all US liver poisonings in 2003
  - Used in suicide attempts
- OCR4554 in combination with APAP reduces mortality in vivo (Figure 2).

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**Figure 1**

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NASH
Chronic Hepatitis C
Alcoholic Liver Disease
Hemochromatosis
Chronic Hepatitis B
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**Figure 2**

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Acetaminophen + OCR4554
N=17
Survival probability (%)
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**Published/Issued Patents:** [U.S. Patent No. 9,149,424](https://www.uspto.gov/patents/apply/filing-and-postfiling-procedures/patent-application-process)

**Published/Issued Patents:** [U.S. Pub. App. No. 2010016262](https://www.uspto.gov/patents/initiation/patent-application-process/tapu)

**Publications:**


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