Alamandine Glycosides as Non-Narcotic Pain Relievers

**Title:** Non-Narcotic Pain Relievers Designed to Cross the Blood-Brain Barrier

**Invention:** This technology covers several synthetic compounds that are derivatives of alamandine for the use of pain relief.

**Background:** More Americans are affected by pain than by cancer, diabetes and heart disease combined. Pain remains one of the most undertreated conditions, with 116 millions adults suffering in the US. While opioids are the most effective painkillers, they carry a high risk of abuse and can cause numerous negative side effects. There is now a need for new alternatives for pain treatment that can provide the same level of effectiveness as traditional opioids without the same addictive side effects.

**Applications:**
- Non-narcotic drugs for the treatment of pain

**Advantages:**
- Reduces side effects of addiction
- Reduces side effects of respiratory depression

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