

ABSTRACT

A TRAMADOL N-OXIDE MATERIAL, ENANTIOMERS AND COMPOSITIONS THEREOF, AND THEIR USE

This invention relates to a tramadol N-oxide material, enantiomers and compositions thereof and their use. The tramadol N-oxide material and compositions thereof are pharmacologically useful in treating pain, diarrhea and tussive conditions. The tramadol N-oxide is also subject to less side-effects as compared to pure opiate based compositions, such as abuse liability, tolerance, constipation and respiratory depression. Furthermore, the tramadol N-oxide material when administered orally exhibits analgesia for a longer duration than an equi-analgesic amount of tramadol.

Figure 1