**بحوث المرحلة الخامسة**

**بحث بلسم كفاح 2017**

**Design and synthesis of ibuprofen prodrugs**

**Abstract:**

Ibuprofen was the first member of propionic acid derivatives introduced in 1969.It is a popular domestic and over the counter analgesic and antipyretic for adults and children. The rationale behind the prodrug concept is to achieve temporary blockade of the free carboxylic group present in the ibuprofen till it is systemic absorption .In this research, a review on the concept of prodrugs designing of ibuprofen to improve it is efficacy and reduce the toxicity is being presented.