

### 3- Arylacetic acid ex: ibuprofen

Eight times the activity of aspirin as anti-inflammatory agent (Fig. 1.11).

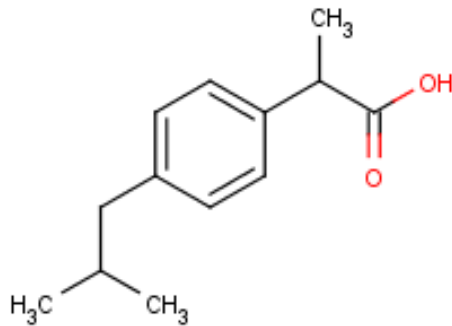


Figure 1.11: 2-[4-(2-methylpropyl)phenyl]propanoic acid

### Diclofenac

High potency as anti-inflammatory agent, inhibit prostaglandin synthesis and leukotrienes (Cyclooxygenase and lipooxygenase inhibitor) (Fig.1.12).

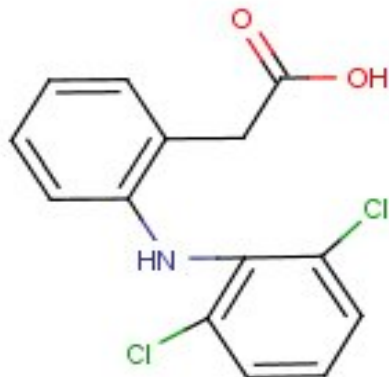


Figure 1.12: 2-[2-[(2,6-dichlorophenyl)amino]phenyl]acetic acid