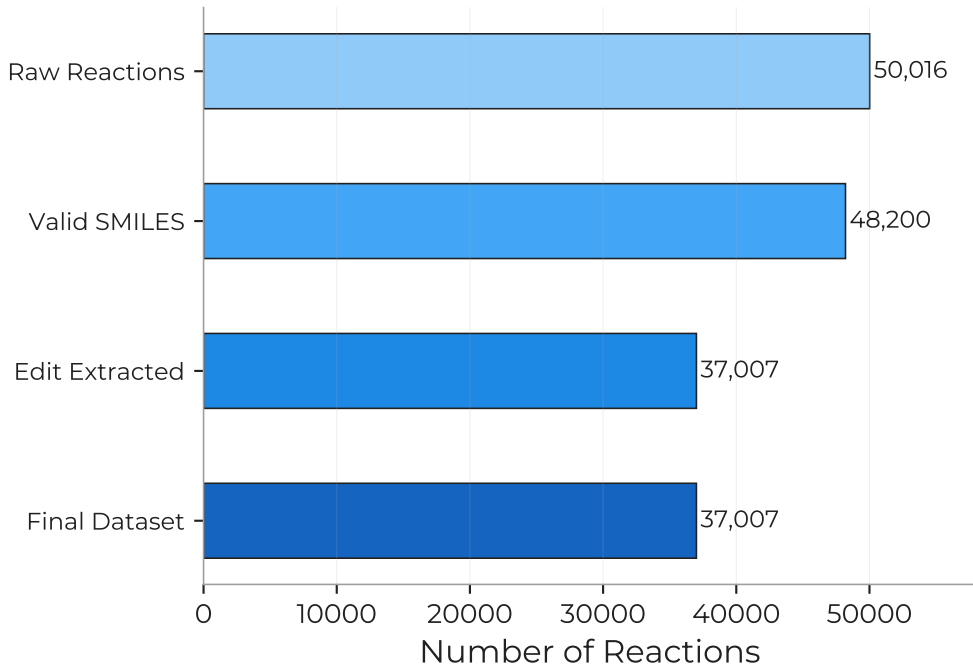


**(a) Preprocessing Pipeline**



**(b) Reaction Class Distribution**

