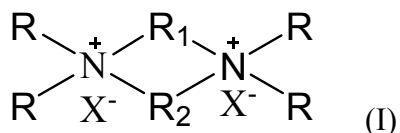


Abstract

The present invention relates to a molecular sieve, particularly to an ultra-macroporous molecular sieve. The present invention also relates to a process for the preparation of the molecular sieve and to its application as an adsorbent, a catalyst, or the like. The molecular sieve has a unique X-ray diffraction pattern and a unique crystal particle morphology. The molecular sieve can be produced by using a compound represented by the following formula (I),



wherein the definition of each group and value is the same as that provided in the specification, as an organic template. The molecular sieve is capable of adsorbing more/larger molecules, thereby exhibiting excellent adsorptive/catalytic properties.

Fig. I-3