

## Abstract

The present invention relates to a silicon-and germanium-based molecular sieve, a process for preparing the same and use thereof. The molecular sieve of the present invention has a framework chemical composition as represented by the formula " $\text{SiO}_2 \cdot 1/n\text{GeO}_2$ ", wherein the silicon/germanium molar ratio is  $0.1 \leq n \leq 30$ . The molecular sieve of the present invention has a unique X-ray diffraction pattern, and has good application prospects in adsorptive separation, ion exchange, and catalytic conversion of organic compounds.

Figure 1