



Product 1,4,7,10-tetraazacyclododecane

CAS No. CAS No: 294-90-6

Molecule structure



Market Global

Key parameters
Appearance: White to almost white crystalline, hygroscopic
Purity (Titration): 99.0%min
Water: 1.0%max
Toluene: 0.2%max
unknown impurity: 0.05%max
Total impurity: 0.2%max
PH value: 11-12.5

Packing & Delivery 25kg/drum, 9Mt/FCL
Non-hazardous material



Application
☒ It is used in pharmaceuticals.
☒ Cyclen and its derivatives exhibit selective coordination properties for transition metal cations, heavy metal cations, lanthanide and actinide ions, and even for organic or inorganic anions. The accurate behavior of cyclen and its derivatives depends on the properties of its substituents.
☒ It is an organic synthesis intermediate, especially a precursor compound for the synthesis of metal ion macrocyclic chelating agents. For example, Cyclen is used to synthesize the contrast agent gadobutrol to perform MRI imaging of the brain and spinal cord, which can accurately determine the exact location of tumors and other lesions. There is great potential in the field of medical research.

Our advantage
☒ Product approved by leading pharmaceutical companies;
☒ GMP standard, Annual Audit conducted by multinationals;
☒ 300t/a capacity plant;
☒ We have complete quality management system, not limited to sampling, method of analysis, sample retainment, Standard operation process;
☒ Freeman ensures the consistency of quality, the strict process of management of changes is followed, including process and equipment, raw material supplies, packing;
☒ The sample could arrive in your hands within 20 days for international customers;
☒ The minimum order quantity is based on one package;
☒ We will feedback to your enquires within 24 hours. Dedicated technical team will follow up and ready to give solutions if you have any request;

Welcome contact for more details!