

## Plerixafor, CXCR4 antagonist

Catalog	Unit
TBI2864-10MG	10 mg
TBI2864-50MG	50 mg

### Product Details

**Formal Name:** 1,1'-[1,4-Phenylenebis-(methylene)]-bis(1,4,8,11-tetraazacyclotetradecane), octahydrochloride

**Alternate Names:** AMD3100

**Molecular Formula:** C<sub>28</sub>H<sub>54</sub>N<sub>8</sub>·8HCl

**Formula Weight:** 794.5

**CAS Number:** 110078-46-1

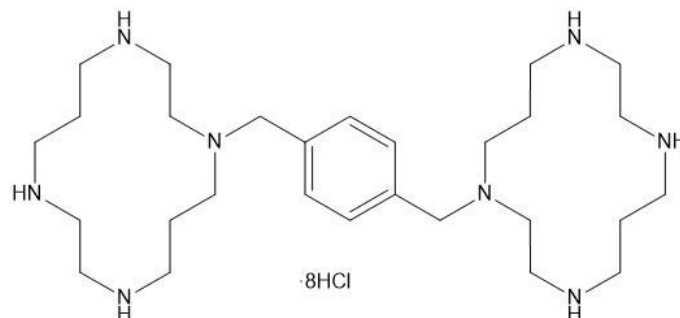
**Purity:** >98%

**Formulation:** Powder

**Solubility:** Soluble in Water (up to 25 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

CXCR4 antagonist

### Functions

Plerixafor is a highly selective CXCR4 antagonist (IC<sub>50</sub> = 20-130 nM). Originally investigated as an HIV replication inhibitor. Plerixafor has been investigated for the treatment autoimmune diseases and various cancers. Clinically useful for the mobilization of hematopoietic stem cells in the treatment of blood cancers.

### Application Procedures

First dissolved in Water (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in distilled water may be stored at -20°C for up to 2 months.

**For research use only.**