

# JChem Choral History of Changes

## November 29th, 2019: JChem Choral 19.25.0

### Improvements

- Duplicate search takes also higher order stereo information (like axial stereo information) into account.

### Bugfixes

- Performing joined queries including search on multiple molecular column could miss hits.

## November 15th, 2019: JChem Choral 19.24.0

No changes.

## November 8th, 2019: JChem Choral 19.23.0

No changes.

## October 21th, 2019: JChem Choral 19.22.0

### Improvements

- Cache size decreased by 20% for target-type datasets.
- 15% indexing speed improvement.
- 20-50% search speedup for frequent queries

### Bugfixes

- Nitrogen in marked stereo configuration matched unmarked chiral center.
- Small ring cis double bond stereo configurations were recognized as trans in case of trans perspective drawing in 3D.

**Long Term Supported Release - October 18th, 2019: JChem Choral 19.21.1 (Europium.1)**

## October 7th, 2019: JChem Choral 19.21.0

No changes..

## **September 18th, 2019: JChem Choral 19.20.0**

### **Bugfixes**

- **Search Engine**
  - Nitrogen in marked tetrahedral stereo chiral center matched Nitrogen in unmarked chiral center.

## **September 2nd, 2019: JChem Choral 19.19.0**

No changes.

## **August 3rd, 2019: JChem Choral 19.18.0**

No changes.

## **July 6th, 2019: JChem Choral 19.17.0**

### **Bugfixes**

- Create index failed on materialized views.

## **July 4th, 2019: JChem Choral 19.16.0**

No changes.

## **June 27th, 2019: JChem Choral 19.15.0**

No changes.

## **June 24th, 2019: JChem Choral 19.14.0**

No changes.

## **June 17th, 2019: JChem Choral 19.13.0**

No changes.

## **June 3rd, 2019: JChem Choral 19.12.0**

No changes.

**May 21st, 2019: JChem Choral 19.11.0**

No changes.

**April 8th, 2019: JChem Choral 19.9.0**

No changes.