1. Periodic Building Unit:

**EUO** can be built using building units composed of 14 T atoms: three finite zigzag chains (4 T atoms each and parallel to \( c \)) and a T2-dimer (Figure 1(left)), or two 1-5-1 units (Figure 1(right)) [See: Alternative description; Compare this building unit with those in **BIK**, **CAS** and **NSI**]. The two-dimensional Periodic Building Unit (PerBU) is obtained when T14-units, related along \( a \) by a mirror plane perpendicular to \( b \) and related along \( a \) by a 2-fold axis parallel to \( c \), are connected into the \( ab \) layer shown in Figure 2. [Compare this PerBU with the PerBUs in **NES** and **NON**]

![Finite building unit, viewed along \( c \), built from three (finite) zigzag chains (one in bold) and a T2-dimer (left) and finite building unit built from two 1-5-1 units (one in bold; right).](image1)

![PerBU in **EUO** viewed along \( c \) (one T14-unit in bold).](image2)

[Figure 2 is continued on next page]
2. **Connection mode:**

Neighboring PerBUs, related by a rotation of 180° about \(a\), are connected along \(c\), as shown in Figure 2.

3. **Projections of the unit cell content:** See next page
3. Projections of the unit cell content:

Figure 4. Unit cell content in EUO projected along $a$ (left), and along $c$ (right).

4. Channels and/or cages:

Cavities with large side-pockets (Figure 5) are connected into one-dimensional non-interconnected channels with 10-ring windows parallel to $a$ as depicted in Figure 6. The pore descriptor is added in Figure 5.

Figure 5. Cavity in EUO viewed along $a$ (left), and along $b$ (right). [Figure 6 is on next page]
5. Supplementary information:

**Other framework types containing zigzag chains**
In several framework types at least one of the unit cell dimensions is about $n \times 5.2$ Å (where $n = 1, 2, 3$, etc.). In many cases this indicates the presence of zigzag chains. In the INTRO pages links are given to detailed descriptions of these framework types (choose: Zigzag chains). There is also a link to a summary of the Periodic Building Units used in the building schemes of these framework types (choose: Appendix; Figure 1).

**Alternative description using (modified) 5-rings**
Several framework types, like EUO, can be constructed using (modified) 5-rings. In the INTRO pages links are given to detailed descriptions of these framework types (choose: 5-Rings). There is also a link provided to a summary of the Periodic Building Units used in the building schemes of these framework types (choose: Appendix; Figure 6).