

## Product Information

### L-(+)-Erythrulose

**Cat. No.:** XGB0204

**Size:** 5 mL; 25 mL; 100 mL

**MDL:** MFCD00004703

**CAS Number:** 533-50-6

**PubChem Substance ID:** 57651608

**NACRES:** NA.25

**Synonym:** S-1,3,4-Trihydroxy-2-butanone,L-Glycero-2-tetrolulose

**This product is for research use only and is not intended for diagnostic use.**

#### Product Information

|                          |  |
|--------------------------|--|
| <b>Molecular Weight</b>  | 120.10   |
| <b>Empirical Formula</b> | C <sub>4</sub> H <sub>8</sub> O <sub>4</sub>   |
| <b>InChI</b>             | 1S/C <sub>4</sub> H <sub>8</sub> O <sub>4</sub> /c5-1-3(7)4(8)2-6/h3,5-7H,1-2H2/t3-/m0/s1  |
| <b>SMILES string</b>     | OC[C@H](O)C(=O)CO  |
| <b>Purity</b>            | ≥85% (HPLC)  |
| <b>Quality Level</b>     | 100  |
| <b>Applications</b>      | L-(+)-Erythrulose can be used as a tanning agent in the cosmetics industry, and as a source of chiral ethyl ketone in the organic synthesis of aldol condensation reactions. |
| <b>Storage</b>           | room temp  |

#### Safety Information

|                                      |                    |
|--------------------------------------|--------------------|
| <b>Personal Protective Equipment</b> | Eyeshields, Gloves |
| <b>WGK Germany</b>                   | WGK 3              |