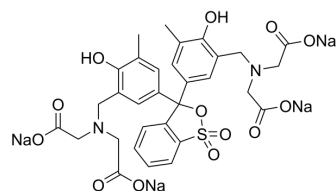


## Xylenol orange tetrasodium salt, IND

|                    |  |
|--------------------|--|
| Cat. No.:          | HY-W110883   |
| CAS No.:           | 3618-43-7  |
| Molecular Formula: | C <sub>31</sub> H <sub>28</sub> N <sub>2</sub> Na <sub>4</sub> O <sub>13</sub> S   |
| Molecular Weight:  | 760.58   |
| Target:            | Biochemical Assay Reagents   |
| Pathway:           | Others   |
| Storage:           | 4°C, sealed storage, away from moisture<br>* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture) |



### SOLVENT & SOLUBILITY

|   |   |                          |           |           |            |
|---|---|--------------------------|-----------|-----------|------------|
| In Vitro  | DMSO : 8.33 mg/mL (10.95 mM; Need ultrasonic)   |                          |           |           |            |
|   |   | Solvent<br>Concentration | Mass      |           |            |
|   | Preparing<br>Stock Solutions  |                          | 1 mg      | 5 mg      | 10 mg      |
|   |   | 1 mM                     | 1.3148 mL | 6.5739 mL | 13.1479 mL |
|   |   | 5 mM                     | 0.2630 mL | 1.3148 mL | 2.6296 mL  |
|   | 10 mM   | 0.1315 mL                | 0.6574 mL | 1.3148 mL |            |
| Please refer to the solubility information to select the appropriate solvent. |   |                          |           |           |            |
| In Vivo   | 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline<br>Solubility: ≥ 0.83 mg/mL (1.09 mM); Clear solution |                          |           |           |            |
|   | 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)<br>Solubility: ≥ 0.83 mg/mL (1.09 mM); Clear solution            |                          |           |           |            |

### BIOLOGICAL ACTIVITY

|             |   |
|-------------|---|
| Description | Xylenol Orange (tetrasodium), metal indicator, AR is a biochemical reagent that can be used as a biological material or organic compound for life science related research. |
|-------------|---|

**Caution: Product has not been fully validated for medical applications. For research use only.**

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